

CASCON x EVOKE 2020

Nov. 10 - 13, 2020



151

University
Speakers

239

Industry
Speakers

48

Technical
Booths

94

Dev Talks

28

Workshops

26

Academic Talks

8

Technical Themes

4

Keynotes

0

Sales Talks

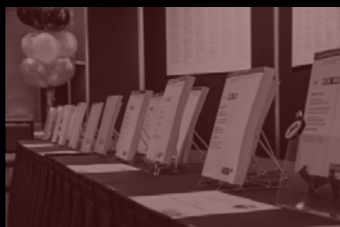
CASCON EVOKE 2020

November 10-13, 2020

CASCON x Evoke is the premier industrial and academic conference for advanced studies in computer science and software engineering sponsored by the IBM CAS and EVOKE Foundation. The conference attracts software developers, researchers, innovators, technologists and decision makers from academia, industry, and government, who come together to learn about technology trends, present papers, participate in workshops, and exhibit prototypes and solutions. The CASCON x EVOKE program features thought-provoking keynotes, original research papers, technological industry talks, stimulating workshops, and an engaging technology expo. Conference proceedings are published in the ACM Digital Library.

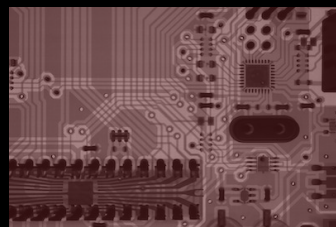
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Papers

Come and see research findings from different backgrounds and specialties submitted by our



Workshops

You will have the opportunity to present, discuss, and debate ideas, challenges



engineering sponsored by the IBM CAS and EVOKE Foundation. The conference attracts software developers, researchers, innovators, technologists and decision makers from academia, industry, and government, who come together to learn about technology trends, present papers, participate in workshops, and exhibit prototypes and solutions. The CASCON x EVOKE program features thought-provoking keynotes, original research papers, technological industry talks, stimulating workshops, and an engaging technology expo. Conference proceedings are published in the ACM Digital Library.

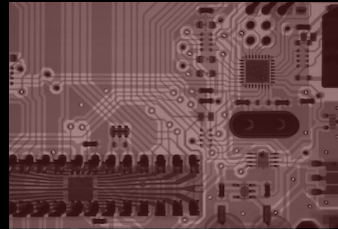
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VISION. UNITY. INNOVATION.



Papers

Come and see research findings from different backgrounds and specialties submitted by our Paper Authors.



Workshops

You will have the opportunity to present, discuss, and debate ideas, challenges, emerging technologies and project directions in an interdisciplinary environment.



Dev Talks

We are bringing in a series of industrial technological talks on everything AI, Blockchain, Cloud Computing, Data, Extended Reality, Quantum Computing, Software Engineering and more.



Expo Rooms

Our famous technology showcase is interactive, innovative, and includes diverse exhibits of research interests, technologies, joint projects, and collaboration opportunities.

Keynote Speakers



Andrew Pelling

Professor

UNIVERSITY OF OTTAWA



Alexandre Blais

Professor

UNIVERSITÉ DE SHERBROOKE



Nicolas Papernot

Assistant Professor



Niina Haiminen

Research Scientist



UNIVERSITY OF OTTAWA



UNIVERSITÉ DE SHERBROOKE



Nicolas Papernot

Assistant Professor

UNIVERSITY OF TORONTO



Niina Haiminen

Research Scientist

IBM RESEARCH

Featured Speakers



Eric Termuende

Co-Founder

NoW of Work Inc.



Dr. Peter Blecher

Chief Health Officer

OPN



Sam Lightstone

CTO for Data & IBM Fellow

IBM



Andrea MacDonald

Head of Tech, Telco, Media & Entertainment

TWITTER CANADA



Maggie Adhami-Boynton

Founder and CEO

SHOPTHING



John Rofrano

Senior Technical Staff Member

IBM



Britta Sennewald

Best Paper Awardee

UNIVERSITY of NEW BRUNSWICK



Lesley Nuttall

IBM Security Accelerated Value Leader

IBM

Activity Sessions

**Maggie Adhami-Boynton**

Founder and CEO

SHOPTHING

**John Rofrano**

Senior Technical Staff Member

IBM

**Britta Sennewald**

Best Paper Awardee

UNIVERSITY of NEW BRUNSWICK

**Lesley Nuttall**IBM Security Accelerated Value
Leader

IBM

Activity Sessions

In spirit of a virtual conference, CASCON x EVOKE is bringing you at-home entertainment the whole family can enjoy! Listen to music from Ottawa band Suit N Tie, and participate in Zumba classes from a local instructor or Yoga and Fitness classes from IBM's Active Blue. These fun activity sessions will occur periodically throughout the course of the conference!

**Suit and Tie****Yoga****Zumba****Fitness**

CASCON, the 30th Annual International Conference, is the premier industrial + academic conference for advanced studies in computer science and software engineering sponsored by the IBM Canada Lab.

[LEARN MORE](#)

Evoke brings together the developer community in Toronto for one of the largest developer conferences and events in Canada. Evoke's mission is to inspire, excite, motivate and unite Canada's leading developers, engineers, data scientists, tech leaders and entrepreneurs.

[LEARN MORE](#)

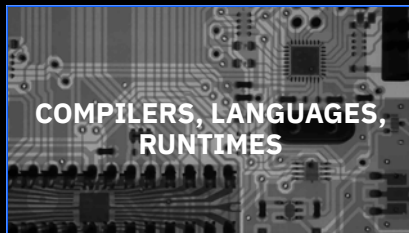
CASCON x EVOKE 2020

Nov. 10 - 13, 2020



TOPIC STREAMS

Attendees may choose to watch a variety of themed discussions displayed on our 9 stages. Each stage will display presentations, keynotes and interesting discussions led by successful and innovative speakers.



Formats



DEV TALKS



PAPERS



WORKSHOPS



EXPO

DATES

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Tuesday, Nov 10, 2020

All times displayed are in Eastern Standard Time

Watch in		Aspiration	Boldness	Creativity	Determination	Empathy	Foresight
Topic		AI	Privacy & Security	Everything Data, IoT & Smart Cities	Quantum Computing	Software Engineering	Systems & Innovation
Start	End						
09:30	10:00	Plan your day					
10:00	11:30	Virtual Mind and Soul doctor	Privacy & Security - Paper Presentation	How can a Smart City with Smart AI can fight back Covid19	Quantum Computing - Paper Presentation and Workshop	Software Engineering - Industry Talks (Block 1)	Systems & Innovation - Industry Talks (Block 1)
11:30	12:00	Band Show	Band Show	Mobility & Stretch - Towel workout	Mobility & Stretch - Chair	Yoga - Stress Release and Meditation	Yoga - Stress Release and Meditation
12:00	13:00	Keynote by Andrew Pelling					
13:00	14:00	EXPO Networking (Block 1)	EXPO Networking (Block 2)	Networking - Machine Learning & AI Today	Conference Ask Me Anything	Zumba	Yoga Flow Twists
14:00	15:30	AI - Industry Talks (Block 1)	Security Talk and Blockchain & Cryptography - Paper Presentation	Everything Data, IoT & Smart Cities - Industry Talks (Block 1)	Quantum Computing: Synergies and Opportunities (Day 1 - Part 2)	DevOps Workshop for Software Engineers (Part 1)	Novel hardware & software design for mathematical and AI acceleration (Part 1)
15:30	16:00	Ask Me Anything session	Mobility & Stretch - Full Body Routine	Mobility & Stretch - Full Body Routine	Strength & Stretch - Chair workout	Chair Yoga	Chair Yoga
16:00	18:00	AI - Industry Talks (Block 2)	Deep Dive - IBM Security Guardium Insights for IBM Cloud Pak for Security	How has COVID-19 changed the development and adoption of data science across firms and industries?	Quantum Computing: Synergies and Opportunities (Day 1 - Part 3)	DevOps Workshop for Software Engineers (Part 2)	Novel hardware & software design for mathematical and AI acceleration (Part 2)

Wednesday, Nov 11, 2020

All times displayed are in Eastern Standard Time

Watch in		Aspiration	Boldness	Creativity	Determination	Empathy	Foresight
Topic		AI	Cloud Computing	Everything Data, IoT & Smart Cities	Quantum Computing	Software Engineering	Systems & Innovation
Start	End						
09:30	10:00	Plan your day					
10:00	11:30	AI talk and Natural Language Processing Paper Presentation	Cloud Computing - Industry Talks (Block 1)	Everything Data, IoT & Smart Cities - Industry Talks (Block 2)	Quantum Computing Industry Talk	Software and Systems Engineering - Paper Presentation	Systems & Innovation - Industry Talks (Block 2)
11:30	12:00	Band Show	Band Show	Mobility & Stretch - Mat workout	Mobility & Stretch - Full body	Chair Yoga	Chair Yoga
12:00	13:00	Keynote by Alexandre Blais					
13:00	14:00	EXPO Networking (Block 3)	EXPO Networking (Block 4)	Networking - Bridging Research & Industry	Awards - MIP and Paper Awards	Zumba	Yoga Flow Shoulders
14:00	15:30	International Workshop on AIOps and System Compliance (Part 1)	Teaching Your Monolith to Dance (Part 1)	Everything Data, IoT & Smart Cities - Industry Talks (Block 3)	Quantum Computing: Synergies and Opportunities (Day 2 - Part 1)	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 1)	Innovation in modernizing the Z workloads
15:30	16:00	Ask Me Anything session	Mobility & Stretch - Assisted Stretch	Mobility & Stretch - Assisted Stretch	Mobility & Stretch - All standing	Yoga - Stress Release and Meditation	Yoga - Stress Release and Meditation
16:00	18:00	International Workshop on AIOps and System Compliance (Part 2)	Teaching Your Monolith to Dance (Part 2)	Encouraging Technical Vitality When We All Work Remotely	Quantum Computing: Synergies and Opportunities (Day 2 - Part 2)	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 2)	Node-RED on IBM Cloud: Earthquake monitoring system



Thursday, Nov 12, 2020

All times displayed are in Eastern Standard Time

Watch in		Aspiration	Boldness	Creativity	Determination	Empathy	Foresight
Topic		AI	Cloud Computing	Everything Data, IoT & Smart Cities	Privacy & Security	Software Engineering	Systems & Innovation
Start	End						
09:30	10:00	Plan your day					
10:00	11:30	AI - Industry Talks (Block 3)	Cloud and Database Systems - Paper Presentation	Smart Cities and Health - Paper Presentation	Privacy & Security - Industry Talks (Block 1)	Microservices made easy with MicroProfile, OpenJ9, Open Liberty and OpenShift	Systems & Innovation - Industry Talks (Block 3)
11:30	12:00	Band Show	Band Show	Strength & Stretch - Chair workout	Mobility & Stretch - Full Body Routine	Yoga - Stress Release and Meditation	Yoga - Stress Release and Meditation
12:00	13:00	Keynote by Nicolas Papernot					
13:00	14:00	EXPO Networking (Block 5)	EXPO Networking (Block 6)	Networking - Effects of COVID-19 on the tech world	Awards - CAS Awards	Zumba	Yoga Flow for Hips
14:00	15:30	AI - Industry Talks (Block 4)	morPOP: A fast and granular agent-based model of COVID-19 to examine school mitigation strategies in Newfoundland & Labrador	Everything Data, IoT & Smart Cities - Industry Talks (Block 4)	Privacy & Security - Industry Talks (Block 2)	Software Engineering - Industry Talks (Block 2)	Systems & Innovation - Industry Talks (Block 4)
15:30	16:00	Ask Me Anything session	Mobility & Stretch - Chair	Mobility & Stretch - Chair	Mobility & Stretch - Towel workout	Chair Yoga	Chair Yoga
16:00	18:00	Deep Learning with Watson Studio and TensorFlow	The 12th CASCON Workshop on Cloud Computing	IBM Cognos Analytics - Unearth hidden insights with a personalized analytics experience driven by AI	Privacy & Security - Industry Talks (Block 3)	Jumpstart your application into a reactive event-centric world	Systems & Innovation - Industry Talks (Block 5)

Friday, Nov 13, 2020

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Watch in		Aspiration	Boldness	Creativity	Determination	Empathy	Foresight
Topic		AI	Cloud Computing	Everything Data, IoT & Smart Cities	Compilers, Languages, Runtimes	Software Engineering	Systems & Innovation
Start	End						
09:30	10:00	Plan your day					
10:00	11:30	Advent of AI and IOT in predictive maintenance planning for Manufacturing industry	Cloud Computing - Industry Talks (Block 2)	Everything Data, IoT & Smart Cities - Industry Talks (Block 5)	Compilers and Optimizations - Paper Presentation	Full Stack Swift	Systems & Innovation - Industry Talks (Block 6)
11:30	12:00	Band Show	Band Show	Mobility & Stretch - All standing	Mobility & Stretch - Assisted Stretch	Chair Yoga	Chair Yoga
12:00	13:00	Keynote by Niina Haiminen					
13:00	14:00	EXPO Networking (Block 7)	EXPO Networking (Block 8)	Networking - Designing Future Technologies	Networking - CAS Students	Zumba	Yoga Full Body Flow
14:00	15:30	Deploying a Collaborative Framework for Crowd Sourcing the Evaluation of AI Model Effectiveness	Hybrid application management in CloudPak for Multicloud Management 2.0	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 1)	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 1)	Enabling Transformation at Scale through Nurturing Engineering Culture and Applying Smart Engineering Practices	Accelerate your digital transformation through business rule discovery and insightful mainframe application analysis
15:30	16:00	Ask Me Anything session	Mobility & Stretch - Full body	Mobility & Stretch - Full body	Mobility & Stretch - Mat workout	Yoga - Stress Release and Meditation	Yoga - Stress Release and Meditation
16:00	18:00	AI - Industry Talks (Block 5)	Cloud Computing - Industry Talks (Block 3)	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 2)	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 2)	Software Engineering - Industry Talks (Block 3)	Ask me anything about the conference (Part 2)

Presented By



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TUESDAY

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Industry Talks

All times displayed are in Eastern Standard Time

Date	Start	End	Title	Speakers	Track	Room
Tuesday, Nov 10	14:00	15:30	AI - Industry Talks (Block 1)		AI	Aspiration
Tuesday, Nov 10	14:00	14:30	The Future of AI	Sam Lightstone	AI	Aspiration
Tuesday, Nov 10	14:30	15:00	IBM Mono2Micro: Using the power of AI and deep learning to refactor monoliths to microservices	Len Theivendra	AI	Aspiration
Tuesday, Nov 10	15:00	15:30	Digital: Soup to Nuts	Denis Skinner	AI	Aspiration
Tuesday, Nov 10	16:00	18:00	AI - Industry Talks (Block 2)		AI	Aspiration
Tuesday, Nov 10	16:00	16:30	Injecting AI into IT Operations	Francis Wong, Jeremy Brumer	AI	Aspiration
Tuesday, Nov 10	16:30	17:00	Bringing Artificial Intelligence to the forefront of Workplace Health and Safety	Dr. Rahul Kushwah	AI	Aspiration
Tuesday, Nov 10	17:00	17:30	Carbon Capture and Sequestration Technologies	Ananya Chadha	AI	Aspiration
Tuesday, Nov 10	17:30	18:00	This is what happens when you add real AI to your marketing	Jansen Sullivan	AI	Aspiration
Tuesday, Nov 10	14:00	15:30	Security Talk and Blockchain & Cryptography - Paper Presentation		Privacy & Security	Boldness
Tuesday, Nov 10	14:45	15:00	Security in the Hands of Consumers: The Blockchain Approach	Xiangan He	Privacy & Security	Boldness
Tuesday, Nov 10	15:00	15:30	Using technology to help businesses reopen in the world of COVID-19	Dr. Peter Blecher, Sep Seyedi	Privacy & Security	Boldness

Home	Program	Speakers	Awards	Team	Join	Register
Tuesday, Nov 10	16:30	17:00	Bringing Artificial Intelligence to the forefront of Workplace Health and Safety	Dr. Rahul Kushwah	AI	Aspiration
Tuesday, Nov 10	17:00	17:30	Carbon Capture and Sequestration Technologies	Ananya Chadha	AI	Aspiration
Tuesday, Nov 10	17:30	18:00	This is what happens when you add real AI to your marketing	Jansen Sullivan	AI	Aspiration
Tuesday, Nov 10	14:00	15:30	Security Talk and Blockchain & Cryptography - Paper Presentation		Privacy & Security	Boldness
Tuesday, Nov 10	14:45	15:00	Security in the Hands of Consumers: The Blockchain Approach	Xiang He	Privacy & Security	Boldness
Tuesday, Nov 10	15:00	15:30	Using technology to help businesses reopen in the world of COVID-19	Dr. Peter Blecher, Sep Seyedi	Privacy & Security	Boldness
Tuesday, Nov 10	14:00	15:30	Everything Data, IoT & Smart Cities - Industry Talks (Block 1)		Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	14:00	14:30	Beyond tech: policy innovation and real estate development in the 'smart city'	John Brodhead	Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	14:30	15:00	Data Quality Evaluation on ICP4D using IBM Watson Catalog	Aditya Pareek, Namit Kabra	Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	15:00	15:30	Customizing Agricultural Practices to Maximize Crop Yield	Smit Marvaniya	Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	10:00	11:30	Software Engineering - Industry Talks (Block 1)		Software Engineering	Empathy
Tuesday, Nov 10	10:00	10:30	Quality, Scale and Intelligence - Pushing the SDLC to the next level.	Kevin Smith	Software Engineering	Empathy
Tuesday, Nov 10	10:30	11:00	Adopt to Win : Odyssey of DevOps	Shwetha Gopalakrishna, Srinu Bhagavan	Software Engineering	Empathy
Tuesday, Nov 10	11:00	11:30	How Live Video Commerce is Transforming Retail	Maggie Adhami-Boynton, Rebecca Gill	Software Engineering	Empathy
Tuesday, Nov 10	10:00	11:30	Systems & Innovation - Industry Talks (Block 1)		Systems & Innovation	Foresight
Tuesday, Nov 10	10:00	10:30	Blockchain technology, a retrospective look and future opportunities	Mohamed EL KANDRI	Systems & Innovation	Foresight
Tuesday, Nov 10	10:30	11:00	How to make an immersive 3D experience without a single line of code	Alan Smithson	Systems & Innovation	Foresight
Tuesday, Nov 10	11:00	11:30	Hybrid Businesses are The Future	Diana Goodwin	Systems & Innovation	Foresight
Wednesday, Nov 11	10:00	11:30	AI talk and Natural Language Processing Paper Presentation		AI	Aspiration
Wednesday, Nov 11	10:00	10:22	AI & Graph Technology: What Are Knowledge Graphs	Gurminder Kandola	AI	Aspiration
Wednesday, Nov 11	10:00	11:30	Cloud Computing - Industry Talks (Block 1)		Cloud Computing	Boldness
Wednesday, Nov 11	10:00	10:30	The breathtaking power of data virtualization at scale	Sam Lightstone, Robert Neugebauer	Cloud Computing	Boldness





Home	Program	Speakers	Awards	Team	Join	Register
Wednesday, Nov 11	10:30 - 11:00	Excelling your Data and AI challenge with Netezza for Cloud Pak for Data		Aniket Kulkarni, Mirav Kapadia	Cloud Computing	Boldness
Wednesday, Nov 11	11:00 - 11:30	Improving Operational Scalability using Kubernetes Operators and Razeo Continuous Deployment Model		Arun Soundararaj, Saravanan Balasubramanian, Srinu Bhagavan	Cloud Computing	Boldness
Wednesday, Nov 11	10:00 - 11:30	Everything Data, IoT & Smart Cities - Industry Talks (Block 2)			Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	10:00 - 10:30	An intelligent data-event profiling framework for streaming IoT data		Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	10:30 - 11:00	Transforming industries for the next era using 5G Edge Computing		Amandeep Singh, Mathews Thomas, Sharath Prasad, Utpal Mangla	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	11:00 - 11:30	Financial Insights and Hyperpersonalization: Using APIs to Benefit Consumer Financial Wellness		Christine Loredo, Sebastien Taveau	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	14:00 - 15:30	Everything Data, IoT & Smart Cities - Industry Talks (Block 3)			Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	14:00 - 14:30	Understanding graph databases		Dan Snoddy, Tom Kolanko	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	14:30 - 15:00	Workflows for governance artifacts (Watson Knowledge Catalog on CP4D)		Kavita Biswas, Namit Kabra	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	15:00 - 15:30	Governing 'dark' data on CP4D using Next Generation Quick Scan		Anil Kumar Thiramas, Namit Kabra	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	10:00 - 11:30	Quantum Computing Industry Talk			Quantum Computing	Determination
Wednesday, Nov 11	10:00 - 10:30	BCIs and The Law of Accelerating Returns		Shifra Khan	Quantum Computing	Determination
Wednesday, Nov 11	10:30 - 10:45	Entering the NISQ Era of Quantum Computing – and the problems with Quantum Compiling		Evan Lin	Quantum Computing	Determination
Wednesday, Nov 11	10:45 - 11:00	Quantifying Climate Action		Richa Pandya	Quantum Computing	Determination
Wednesday, Nov 11	11:00 - 11:15	Quantum x Drug Development		Siyana Lalani	Quantum Computing	Determination
Wednesday, Nov 11	11:15 - 11:30	Post-Quantum Cryptography: Data Security in a Quantum World		Anisha Musti	Quantum Computing	Determination
Wednesday, Nov 11	10:00 - 11:30	Systems & Innovation - Industry Talks (Block 2)			Systems & Innovation	Foresight
Wednesday, Nov 11	10:00 - 10:30	Applying Open Source Strategy Research to Strategic Management Practice - The case of IBM		Mekki MacAulay	Systems & Innovation	Foresight
Wednesday, Nov 11	10:30 - 11:00	Precision Cities - Responding Precisely to Human Needs		Sierra Woods	Systems & Innovation	Foresight
Wednesday, Nov 11	11:00 - 11:30	Scaling Spark to thousands of hosts with IBM Cloud Pak for Data and IBM Spectrum Conductor		Kevin Doyle	Systems & Innovation	Foresight
Thursday, Nov 12	10:00 - 11:30	AI - Industry Talks (Block 3)			AI	Aspiration
Thursday, Nov 12	10:00 - 10:30	Creating Business Value by Driving New Customer Behaviour: The Power of Technology and Data in Open Ecosystems		Hamid Akbari, Santiago Perez	AI	Aspiration
Thursday, Nov 12		Helping business thrive and adapt through meaningful				

Home	Program	Speakers	Awards	Team	Join	Register
Wednesday, Nov 11	11:00 - 11:30	Leading Spain to the edge of the world with IBM Watson and Data and IBM Spectrum Conductor		Kevin Doyle		Systems & Innovation Foresight
Thursday, Nov 12	10:00 - 11:30	AI - Industry Talks (Block 3)				AI Aspiration
Thursday, Nov 12	10:00 - 10:30	Creating Business Value by Driving New Customer Behaviour: The Power of Technology and Data in Open Ecosystems		Hamid Akbari, Santiago Perez		AI Aspiration
Thursday, Nov 12	10:30 - 11:00	Helping business thrive and adapt through meaningful technology		Cindy Gordon		AI Aspiration
Thursday, Nov 12	11:00 - 11:30	Responsible AI 101: Introduction to key concepts and applications		Tania De Gasperis		AI Aspiration
Thursday, Nov 12	14:00 - 15:30	AI - Industry Talks (Block 4)				AI Aspiration
Thursday, Nov 12	14:00 - 14:30	How IBM turned Watson from Jeopardy-winning supercomputer to an NLP business		Sam Lightstone, Robert Yates		AI Aspiration
Thursday, Nov 12	14:30 - 15:00	An Intelligent Interactive System		Farhana Zulkernine, Yuhao Chen		AI Aspiration
Thursday, Nov 12	15:00 - 15:30	Using machine learning to improve SQL query performance in Db2 LUW		Brandon Frendo, Vincent Corvinnelli		AI Aspiration
Thursday, Nov 12	14:00 - 15:30	Everything Data, IoT & Smart Cities - Industry Talks (Block 4)				Everything Data, IoT & Smart Cities Creativity
Thursday, Nov 12	14:00 - 14:15	Demystifying the brain with the Internet of Nano Things		Anupra Chandran		Everything Data, IoT & Smart Cities Creativity
Thursday, Nov 12	14:15 - 14:30	Smart Cities and a Sustainable Future		Salma Rafi		Everything Data, IoT & Smart Cities Creativity
Thursday, Nov 12	14:30 - 15:00	Reacting to an Event-Driven World		Grace Jansen		Everything Data, IoT & Smart Cities Creativity
Thursday, Nov 12	15:00 - 15:30	Innovation at a Distance		Joel Scott		Everything Data, IoT & Smart Cities Creativity
Thursday, Nov 12	10:00 - 11:30	Privacy & Security - Industry Talks (Block 1)				Privacy & Security Determination
Thursday, Nov 12	10:00 - 10:30	A Practical Guide to Privacy-Preserving Machine Learning		Gerald Penn, Patricia Thaine		Privacy & Security Determination
Thursday, Nov 12	10:30 - 11:00	Data Security Next Generation: Journey & Vision		Devan Shah		Privacy & Security Determination
Thursday, Nov 12	11:00 - 11:30	Empower through design: making technology inherently safer		Lesley Nuttall, Henry Nash		Privacy & Security Determination
Thursday, Nov 12	14:00 - 15:30	Privacy & Security - Industry Talks (Block 2)				Privacy & Security Determination
Thursday, Nov 12	14:00 - 14:30	Automotive Cybersecurity: Opportunities and Challenges		Ikjot Saini		Privacy & Security Determination
Thursday, Nov 12	14:30 - 15:00	Trusted AI - The Good, the Bad and the Ugly		James Stewart		Privacy & Security Determination
Thursday, Nov 12	15:00 - 15:30	Privacy by Design made simple for technologists, data scientists and system engineers		Cat Coode, Robin Gould-Soil		Privacy & Security Determination
Thursday, Nov 12	16:00 - 18:00	Privacy & Security - Industry Talks (Block 3)				Privacy & Security Determination

Home	Program	Speakers	Awards	Team	Join	Register
Nov 12	16:00 - 18:00	Systems & Innovation - Industry Talks (Block 4)			Innovation	Foresight
Thursday, Nov 12	16:00 - 16:30	7 Secrets of an Excellence-Driven Tech Organisation		Perrine Farque	Systems & Innovation	Foresight
Thursday, Nov 12	16:30 - 17:00	Innovation in Fare Payment & PRESTO's adaptability to the current COVID		Annalise Czemy	Systems & Innovation	Foresight
Thursday, Nov 12	17:00 - 17:30	What's Now / What's Next - An analysis of Twitter conversation data that uncover several behaviours and need states		Andrea MacDonald	Systems & Innovation	Foresight
Thursday, Nov 12	17:30 - 18:00	The Future of Work: A One-Degree Shift Overview		Eric Termuende	Systems & Innovation	Foresight
Friday, Nov 13	16:00 - 18:00	AI - Industry Talks (Block 5)			AI	Aspiration
Friday, Nov 13	16:00 - 16:30	Using deep learning to unlock the secrets of gene expression		Gracelyn Shi	AI	Aspiration
Friday, Nov 13	16:30 - 17:00	Is your AI learning? The magic of Compounding Learning		Karthik Balakrishnan	AI	Aspiration
Friday, Nov 13	17:00 - 17:30	How to build a picks and shovels business in emerging technology		David Wachsmann	AI	Aspiration
Friday, Nov 13	17:30 - 18:00	How-to for consumer XR in Sports		Jason Yim	AI	Aspiration
Friday, Nov 13	10:00 - 11:30	Cloud Computing - Industry Talks (Block 2)			Cloud Computing	Boldness
Friday, Nov 13	10:00 - 10:30	Kubernetes Operators: Autonomous SRE for your deployments as exemplified by Db2 on Cloud		Andrew Hilden, Pandu Mutyala	Cloud Computing	Boldness
Friday, Nov 13	10:30 - 11:00	You created a managed kubernetes cluster on AWS/IKS/AKS - is that all ?		Hrishikesh Kumar, Lakshman Sakaray, Srinu Bhagavan	Cloud Computing	Boldness
Friday, Nov 13	11:00 - 11:30	An aesthetic conjunction of cognitive and social computing in this AI habitat		Shwetha Gopalakrishna, Srinu Bhagavan	Cloud Computing	Boldness
Friday, Nov 13	16:00 - 18:00	Cloud Computing - Industry Talks (Block 3)			Cloud Computing	Boldness
Friday, Nov 13	16:00 - 16:30	Identity-based Security for Cloud		Ben Huang	Cloud Computing	Boldness
Friday, Nov 13	16:30 - 17:00	Industrializing Software Development with Kubernetes & Anthos - A Google Perspective		Neil Bunn	Cloud Computing	Boldness
Friday, Nov 13	17:00 - 17:30	How the cloud can be doubled overnight		Antonio "pelle" Pellegrino	Cloud Computing	Boldness
Friday, Nov 13	17:30 - 18:00	Serverless Computing in Cloud		Hitesh Mathpal	Cloud Computing	Boldness
Friday, Nov 13	10:00 - 11:30	Everything Data, IoT & Smart Cities - Industry Talks (Block 5)			Everything Data, IoT & Smart Cities	Creativity
Friday, Nov 13	10:00 - 10:30	Covid Relief, Increasing ridership and building back trust to get riders back on board (FIRESIDE CHAT) (Fireside chat)		David Winterstein, Marc Couturier	Everything Data, IoT & Smart Cities	Creativity
Friday, Nov 13	10:30 - 11:00	Knowledge Graphs for Financial Institutions: Driving Insight and Business Value		Paolo Delano	Everything Data, IoT & Smart Cities	Creativity
Friday, Nov 13	11:00 - 11:30	Digital Environment Management' inclusive of 'Smart Citizen Engagement.		Jeremy Parsons	Everything Data, IoT & Smart Cities	Creativity



Home	Program	Speakers	Awards	Team	Join	Register
Thursday, Nov 12	14:30 - 15:00	Trusted AI - The Good, the Bad and the Ugly		James Stewart	Privacy & Security	Determination
Thursday, Nov 12	15:00 - 15:30	Privacy by Design made simple for technologists, data scientists and system engineers		Cat Coode, Robin Gould-Soil	Privacy & Security	Determination
Thursday, Nov 12	16:00 - 18:00	Privacy & Security - Industry Talks (Block 3)			Privacy & Security	Determination
Thursday, Nov 12	16:00 - 16:30	Technology for Registering, Encrypting, Owning, Sharing and Investing Data About You By Others		Peter Pennefather, West Suhanic	Privacy & Security	Determination
Thursday, Nov 12	16:30 - 17:00	The future of Contact less payment		Cesar Bravo	Privacy & Security	Determination
Thursday, Nov 12	17:00 - 17:30	Leveraging Cloud Object Storage to provide Multi-Tenant Security for Microservices		John Rofrano, Anu Ramamoorthy	Privacy & Security	Determination
Thursday, Nov 12	17:30 - 17:45	The Next Generation of Security - Our Information is Under Attack		Aryaan Bhimani	Privacy & Security	Determination
Thursday, Nov 12	17:45 - 18:00	Securing our Future with Unconventional Paradigms		Okezue Bell	Privacy & Security	Determination
Thursday, Nov 12	14:00 - 15:30	Software Engineering - Industry Talks (Block 2)			Software Engineering	Empathy
Thursday, Nov 12	14:00 - 14:30	Why AI needs to help with toxicity in online spaces		Stephanie Harvey	Software Engineering	Empathy
Thursday, Nov 12	14:30 - 15:00	Building my own media platform		Shinjini Das	Software Engineering	Empathy
Thursday, Nov 12	15:00 - 15:15	Exploring the Frontiers of Psychiatry with AI		Om Agarwal	Software Engineering	Empathy
Thursday, Nov 12	15:15 - 15:30	Science Fiction is Now a Reality: Brain-Computer Interfaces		Soumiya Sivasathiyathan	Software Engineering	Empathy
Thursday, Nov 12	10:00 - 11:30	Systems & Innovation - Industry Talks (Block 3)			Systems & Innovation	Foresight
Thursday, Nov 12	10:00 - 10:30	High-performance matrix math in IBM POWER processors		Brian Thompto, Jose Moreira, Silvia M Mueller	Systems & Innovation	Foresight
Thursday, Nov 12	10:30 - 11:00	Designing a simplistic TV experience: A case study in UX Research and Design		Aneeqa Ishaq	Systems & Innovation	Foresight
Thursday, Nov 12	11:00 - 11:30	Catasrophe Brings Opportunity - WealthTech is poised for a boom		James Rockwood	Systems & Innovation	Foresight
Thursday, Nov 12	14:00 - 15:30	Systems & Innovation - Industry Talks (Block 4)			Systems & Innovation	Foresight
Thursday, Nov 12	14:00 - 14:30	Integrating IBM Db2 with mobile technology		Dan Snoddy, Tom Kolanko	Systems & Innovation	Foresight
Thursday, Nov 12	14:30 - 15:00	Zowe: Modernizing the Mainframe		Carson Cook	Systems & Innovation	Foresight
Thursday, Nov 12	15:00 - 15:30	Turning Moonshots Into Earthshots Technologies' Role In Achieving The Sustainable Development Goals		Adara Hagman, Riya Mehta	Systems & Innovation	Foresight
Thursday, Nov 12	16:00 - 18:00	Systems & Innovation - Industry Talks (Block 5)			Systems & Innovation	Foresight
Thursday, Nov 12	16:00 - 16:30	7 Secrets of an Excellence-Driven Tech Organisation		Perrine Farque	Systems & Innovation	Foresight

Friday, Nov 13	11:00	11:30	Digital Environment Management' inclusive of 'Smart Citizen Engagement.	Jeremy Parsons	Everything Data, IoT & Smart Cities	Creativity	
Friday, Nov 13	16:00	18:00	Software Engineering - Industry Talks (Block 3)			Software Engineering	Empathy
Friday, Nov 13	16:00	16:30	COVID-19 has created a new digital world	Mathew Mozaffari	Software Engineering	Empathy	
Friday, Nov 13	16:30	17:00	Avoiding Nightmare Headline with Software Quality Engineering	Sammy Kolluru	Software Engineering	Empathy	
Friday, Nov 13	17:00	17:30	Engineering a decentralized platform	Shaily Srivastava	Software Engineering	Empathy	
Friday, Nov 13	17:30	17:45	The Rise of Computer Vision: How It Can Change Our Approach to Disease Diagnosis	Peter Zhu	Software Engineering	Empathy	
Friday, Nov 13	17:45	18:00	Brain Computer Interface: The Next Frontier of Technology	Mikael Haji	Software Engineering	Empathy	
Friday, Nov 13	10:00	11:30	Systems & Innovation - Industry Talks (Block 6)			Systems & Innovation	Foresight
Friday, Nov 13	10:00	10:30	How to Hire and Build Your Company Culture During a Pandemic	Mandy Gilbert	Systems & Innovation	Foresight	
Friday, Nov 13	10:30	11:00	Innovative Education for Industry 4.0: How Blended Learning builds skills for student success	Christian Bseliss, Samantha Smith	Systems & Innovation	Foresight	
Friday, Nov 13	11:00	11:30	The transition from general purpose to purpose-built blockchains	Thomas Borrel	Systems & Innovation	Foresight	

Papers

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Date	Start	End	Title	Speakers	Track	Room	
Tuesday, Nov 10	10:00	11:30	Privacy & Security - Paper Presentation			Privacy & Security	Boldness
Tuesday, Nov 10	10:00	10:22	Investigation of Encrypted and Obfuscated Network Traffic Utilizing Machine Learning	Kenneth Kent, Kay Boldt, Rainer Herpers	Privacy & Security	Boldness	
Tuesday, Nov 10	10:22	10:45	An Approach to Represent and Transform Application Specific Constraints for an Intrusion Detection System	Ayesha Babar, Fahim Imam, Jose Fernandez, Thomas Dean	Privacy & Security	Boldness	
Tuesday, Nov 10	10:45	11:07	Blockchain-based Security for Heterogeneous IoT Systems	Dwight Makaroff, Kale Yuzik	Privacy & Security	Boldness	
Tuesday, Nov 10	11:07	11:30	A Survey of Security Vulnerabilities in Ethereum Smart Contracts	Manar H. Alalfi, Noama Fatima Samreen	Privacy & Security	Boldness	
Tuesday, Nov 10	14:00	15:30	Security Talk and Blockchain & Cryptography - Paper Presentation			Privacy & Security	Boldness
Tuesday, Nov 10	14:00	14:22	Dynamic Reconfiguration of Consensus Protocol for IoT Data Registry on Blockchain	Marios Fokaefs, Mohammadreza Rasolroveicy	Privacy & Security	Boldness	
Tuesday, Nov 10	14:22	14:45	Parallel Window Method for Scalar Multiplication in Elliptic Curve Cryptography	Christopher K. Anand, James You, Tanya Bouman, Yusra Irfan	Privacy & Security	Boldness	

Home	Program	Speakers	Awards	Team	Join	Register
Nov 10	14:00 - 14:22	Registry on Blockchain		Marios Fokialis, Mohammadreza Rasoulovcy	Privacy & Security	Boldness
Tuesday, Nov 10	14:22 - 14:45	Parallel Window Method for Scalar Multiplication in Elliptic Curve Cryptography		Christopher K. Anand, James You, Tanya Bouman, Yusra Irfan	Privacy & Security	Boldness
Tuesday, Nov 10	10:00 - 11:30	Quantum Computing - Paper Presentation and Workshop			Quantum Computing	Determination
Tuesday, Nov 10	10:00 - 10:22	Hybrid Quantum-Classical Problem Solving in the NISQ Era		Hausi Muller, Mehdi Bozzo-Rey, Prashanti Priya Angara, Ulrike Stege	Quantum Computing	Determination
Wednesday, Nov 11	10:00 - 11:30	AI talk and Natural Language Processing Paper Presentation			AI	Aspiration
Wednesday, Nov 11	10:22 - 10:45	The Effectiveness of Static Word Embeddings on the Classification of IT Support Tickets		John Steinbacher, Nazim Madhavji, Yasmen Wahba	AI	Aspiration
Wednesday, Nov 11	10:45 - 11:07	Deep learning approaches to classify the relevance and sentiment of news articles to the economy		Ashok Bhowmick, Ayse Basar, Jingli Wang, Mucahit Cevik	AI	Aspiration
Wednesday, Nov 11	11:07 - 11:30	Best Paper - Voting for Authorship Attribution Applied to Dark Web Data		Britta Sennewald, Kenneth Kent, Marco Hülsmann, Rainer Herpers	AI	Aspiration
Wednesday, Nov 11	10:00 - 11:30	Software and Systems Engineering - Paper Presentation			Software Engineering	Empathy
Wednesday, Nov 11	10:00 - 10:22	Report on Evaluation Experiments Using Different Machine Learning Techniques for Defect Prediction		Alberto Giammaria, Chris Brealey, Kostas Kontogiannis, Marios-Stavros Grigoriou	Software Engineering	Empathy
Wednesday, Nov 11	10:22 - 10:45	Moving from Cross-Project Defect Prediction to Heterogeneous Defect Prediction: A Partial Replication Study		Ayse Basar, Hadi Jahanshahi, Mucahit Cevik	Software Engineering	Empathy
Wednesday, Nov 11	10:45 - 11:07	Identifying External Cross-References Using Natural Language Processing		Elham Rahmani, Ibtihal Noorwali, Nazim Madhavji	Software Engineering	Empathy
Wednesday, Nov 11	11:07 - 11:30	Time Series Sampling for Probabilistic Forecasting		Merve Bodur, Mucahit Cevik, Nicholas Prayogo	Software Engineering	Empathy
Thursday, Nov 12	10:00 - 11:30	Cloud and Database Systems - Paper Presentation			Cloud Computing	Boldness
Thursday, Nov 12	10:00 - 10:22	Towards Topology Aware Elastic Job Scheduling with Deep Reinforcement Learning		Aijun An, Bon Ryu, Junfeng Liu, Yonggang Hu, Zana Rashidi	Cloud Computing	Boldness
Thursday, Nov 12	10:22 - 10:45	Pred-Cache: A Predictive Caching Method in Database Systems		Calisto Zuzarte, Mohammed Al Hamid, Omar El Zarif, Safwat Hassan, Vincent Corvinelli, Ying Zou	Cloud Computing	Boldness
Thursday, Nov 12	10:45 - 11:07	Software Evaluation Methodology of Node.js Parallelism under Variabilities in Scalable Systems		Kenneth Kent, Jacob Baird, Maria Patrou, Michael Dawson	Cloud Computing	Boldness
Thursday, Nov 12	11:07 - 11:30	The Weakest Link: Revealing and Modeling the Architectural Patterns of Microservice Applications		Kenneth Kent, Maria Patrou, Michael Gerndt, Panos Patros, Vladimir Podolskiy	Cloud Computing	Boldness
Thursday, Nov 12	10:00 - 11:30	Smart Cities and Health - Paper Presentation			Everything Data, IoT & Smart Cities	Creativity
Thursday, Nov 12	10:00 - 10:22	Multiple pedestrian tracking based on modified mask R-Cnn and enhanced particle filter using an adaptive information driven motion model		Aijun An, Amir Asif, Junfeng Liu, Mufleh Al-Shatnawi, Vida Movahedi, Yonggang Hu	Everything Data, IoT & Smart Cities	Creativity
Thursday, Nov 12	10:22 - 10:45	Understanding Brain Dynamics for Color Perception Using Wearable EEG Headband		Lauren E Sergio, Mahima Chaudhary, Marin Litoiu, Meaghan S Adams, Sumona Mukhopadhyay	Everything Data, IoT & Smart Cities	Creativity
Thursday, Nov 12	10:45 - 11:07	Best Student Paper - Towards Interpretable and Maintainable Supervised Learning Using Shapley Values in Arrhythmia		Sanjena Krishnakumar, Tamer Abdou	Everything Data, IoT & Smart Cities	Creativity
Thursday, Nov 12	11:07 - 11:30	Efficient Location-Level Risk Analytics		Neil Burke, Norbert Zeh, Oliver Baltzer	Everything Data, IoT & Smart Cities	Creativity

Friday, Nov 13	10:00	11:30	Compilers and Optimizations - Paper Presentation		Compilers, Languages, Runtimes	Determination
Friday, Nov 13	10:00	10:22	Insights into WebAssembly: Compilation Performance and Shared Code Caching in Node.js	Kenneth Kent, Michael Dawson, Panos Patros, Tobias Nießen	Compilers, Languages, Runtimes	Determination
Friday, Nov 13	10:22	10:45	An ELF-based Storage Option for the Eclipse OMR Ahead-of-Time Compiler	Kenneth Kent, Damian Diago D'monte, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Compilers, Languages, Runtimes	Determination
Friday, Nov 13	10:45	11:07	MicroJIT: A Case for Templated Just-in-Time Compilation in Constrained Environments	Kenneth Kent, Eric Coffin, Harpreet Kaur, Julie Brown, Marius Pirvu, Scott Young	Compilers, Languages, Runtimes	Determination
Friday, Nov 13	11:07	11:30	Designing and Evaluating New Instructions that Accelerate Sigmoid-Based Machine Learning	Christopher K. Anand, Curtis D'Alves, Lucas Dutton, Robert Enenkel, Wolfram Kahl	Compilers, Languages, Runtimes	Determination

Workshops

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Date	Start	End	Title	Speakers	Track	Room
Tuesday, Nov 10	10:00	11:30	Virtual Mind and Soul doctor	Debanshu Majumdar	AI	Aspiration
Tuesday, Nov 10	16:00	18:00	Deep Dive - IBM Security Guardium Insights for IBM Cloud Pak for Security	Ali Asghar, Daniel Nguyen, Devan Shah, James Goe, Jinzi Huang, Kenneth Cheung	Privacy & Security	Boldness
Tuesday, Nov 10	10:00	11:30	How can a Smart City with Smart AI can fight back Covid19	Hina Sharma	Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	16:00	18:00	How has COVID-19 changed the development and adoption of data science across firms and industries? (Panel)	Aije Egwaikhide, Alex Ince-Cushman, Alvin Francis, Bob Fay, Denise Almeida, Kelly Lyons, Michelle Alexopoulos, Robert Frost, Rohan Alexander	Everything Data, IoT & Smart Cities	Creativity
Tuesday, Nov 10	10:22	11:30	Quantum Computing: Synergies and Opportunities (Day 1 - Part 1)	Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination
Tuesday, Nov 10	14:00	15:30	Quantum Computing: Synergies and Opportunities (Day 1 - Part 2)	Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination
Tuesday, Nov 10	16:00	18:00	Quantum Computing: Synergies and Opportunities (Day 1 - Part 3)	Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination

Home	Program	Speakers	Awards	Team	Join	Register
Tuesday, Nov 10	16:00 - 18:00	Quantum Computing: Synergies and Opportunities (Day 1 - Part 3)		Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination
Tuesday, Nov 10	14:00 - 15:30	DevOps Workshop for Software Engineers (Part 1) (Hands-on)		John Rofrano	Software Engineering	Empathy
Tuesday, Nov 10	16:00 - 18:00	DevOps Workshop for Software Engineers (Part 2) (Hands-on)		John Rofrano	Software Engineering	Empathy
Tuesday, Nov 10	14:00 - 15:30	Novel hardware & software design for mathematical and AI acceleration (Part 1)		Abu Sebastian, Christopher K. Anand, Curtis D' Alves, Jose Moreira, Nhan Thai, Robert Enenkel, Silvia M Mueller	Systems & Innovation	Foresight
Tuesday, Nov 10	16:00 - 18:00	Novel hardware & software design for mathematical and AI acceleration (Part 2)		Abu Sebastian, Christopher K. Anand, Curtis D' Alves, Jose Moreira, Nhan Thai, Robert Enenkel, Silvia M Mueller	Systems & Innovation	Foresight
Wednesday, Nov 11	14:00 - 15:30	International Workshop on AIOps and System Compliance (Part 1)		Alberto Giammaria, Aquilas Tchanjou Njomou, Chris Brealey, Guoliang Zhao, Hamzeh Khazaei, Kostas Kontogiannis, Marios-Stavros Grigoriou, Mohammadreza Rasolroveicy, Ria Sachdev, Salil Ahuja, Shripad Nadgowda	AI	Aspiration
Wednesday, Nov 11	16:00 - 18:00	International Workshop on AIOps and System Compliance (Part 2)		Alberto Giammaria, Aquilas Tchanjou Njomou, Chris Brealey, Guoliang Zhao, Hamzeh Khazaei, Kostas Kontogiannis, Marios-Stavros Grigoriou, Mohammadreza Rasolroveicy, Ria Sachdev, Salil Ahuja, Shripad Nadgowda	AI	Aspiration
Wednesday, Nov 11	14:00 - 15:30	Teaching Your Monolith to Dance (Part 1) (Hands-on)		Leo Christy Jesuraj	Cloud Computing	Boldness
Wednesday, Nov 11	16:00 - 18:00	Teaching Your Monolith to Dance (Part 2) (Hands-on)		Leo Christy Jesuraj	Cloud Computing	Boldness
Wednesday, Nov 11	16:00 - 18:00	Encouraging Technical Vitality When We All Work Remotely		Joe Wigglesworth, Kelly Lyons, Krista Nolan, Lena Woolf, Nadine Nichols, Shilpa Menezes, Stephanie Hazlewood, Susanna Ting, Vesselin Ivanov	Everything Data, IoT & Smart Cities	Creativity
Wednesday, Nov 11	14:00 - 15:30	Quantum Computing: Synergies and Opportunities (Day 2 - Part 1)		Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination

Home	Program	Speakers	Awards	Team	Join	Register
Wednesday, Nov 11	14:00 - 15:30	Quantum Computing: Synergies and Opportunities (Day 2 - Part 1)		Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination
Wednesday, Nov 11	16:00 - 18:00	Quantum Computing: Synergies and Opportunities (Day 2 - Part 2)		Hausi Muller, Mehdi Bozzo-Rey, Robert Loredo, Ulrike Stege	Quantum Computing	Determination
Wednesday, Nov 11	14:00 - 15:30	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 1)		Allen Chan, Andrés Jiménez Ramírez, Arik Senderovich, Claudio Di Ciccio, Eric Yu, Hajo Reijers, Sebastian Carbajales, Tathagata Chakraborti	Software Engineering	Empathy
Wednesday, Nov 11	16:00 - 18:00	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 2)		Allen Chan, Andrés Jiménez Ramírez, Arik Senderovich, Claudio Di Ciccio, Eric Yu, Hajo Reijers, Sebastian Carbajales, Tathagata Chakraborti	Software Engineering	Empathy
Wednesday, Nov 11	14:00 - 15:30	Innovation in modernizing the Z workloads		Nitika Sharma, Stephanie Kuan, Steve Shao	Systems & Innovation	Foresight
Wednesday, Nov 11	16:00 - 18:00	Node-RED on IBM Cloud: Earthquake monitoring system (Hands-on)		Ali Hamdy	Systems & Innovation	Foresight
Thursday, Nov 12	16:00 - 18:00	Deep Learning with Watson Studio and TensorFlow (Hands-on)		Jerome Nilmeier	AI	Aspiration
Thursday, Nov 12	14:00 - 15:30	morPOP: A fast and granular agent-based model of COVID-19 to examine school mitigation strategies in Newfoundland & Labrador		Asghar Mohammadi, Benjamin Tham, Dionne Aleman, Jordan Bradfield, Justin Semelhago, Paul Price, Proton Rahman, Randy Giffen, Sean Wagner	Cloud Computing	Boldness
Thursday, Nov 12	16:00 - 18:00	The 12th CASCON Workshop on Cloud Computing		Joe Wigglesworth, Ian Watts, Marin Litoiu, Miguel Jimenez, Radu Mateescu, Yar Rouf, Nima Mahmoudi	Cloud Computing	Boldness
Thursday, Nov 12	16:00 - 18:00	IBM Cognos Analytics - Unearth hidden insights with a personalized analytics experience driven by AI (Hands-on)		Dennis Buttera	Everything Data, IoT & Smart Cities	Creativity
Thursday, Nov 12	10:00 - 11:30	Microservices made easy with MicroProfile, OpenJ9, Open Liberty and OpenShift		Jamie Coleman	Software Engineering	Empathy

Home	Program	Speakers	Awards	Team	Join	Register
Thursday, Nov 12	10:00 - 11:30	Microservices made easy with MicroProfile, OpenJ9, Open Liberty and OpenShift		Jamie Coleman	Software Engineering	Empathy
Thursday, Nov 12	16:00 - 18:00	Jumpstart your application into a reactive event-centric world (Hands-on)		Gilbert Kwan, Grace Jansen, Meswan Bhaugeerutty, Yk Chang	Software Engineering	Empathy
Friday, Nov 13	10:00 - 11:30	Advent of AI and IOT in predictive maintenance planning for Manufacturing industry		Jegan Jegadeesan, Mamatha Kv, Naveen Yadav, Nithin Mathew, Prarthana M J, Priyanka Telang, Srinivasarao Kakaraparti	AI	Aspiration
Friday, Nov 13	14:00 - 15:30	Deploying a Collaborative Framework for Crowd Sourcing the Evaluation of AI Model Effectiveness (Hands-on)		Joshua Allard, Sarah Packowski	AI	Aspiration
Friday, Nov 13	14:00 - 15:30	Hybrid application management in CloudPak for Multicloud Management 2.0 (Hands-on)		Kuan Feng, Radu Mateescu	Cloud Computing	Boldness
Friday, Nov 13	14:00 - 15:30	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 1) (Hands-on)		Dennis Buttera	Everything Data, IoT & Smart Cities	Creativity
Friday, Nov 13	16:00 - 18:00	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 2) (Hands-on)		Dennis Buttera	Everything Data, IoT & Smart Cities	Creativity
Friday, Nov 13	14:00 - 15:30	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 1)		Daryl Maier, David Bremner, Vijay Sundaresan	Compilers, Languages, Runtimes	Determination
Friday, Nov 13	16:00 - 18:00	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 2)		Daryl Maier, David Bremner, Vijay Sundaresan	Compilers, Languages, Runtimes	Determination
Friday, Nov 13	10:00 - 11:30	Full Stack Swift (Hands-on)		Daniel Mandea	Software Engineering	Empathy
Friday, Nov 13	14:00 - 15:30	Enabling Transformation at Scale through Nurturing Engineering Culture and Applying Smart Engineering Practices (Panel)		Bob Blainey, Fatima Hussain, Salah Sharieh	Software Engineering	Empathy



Friday, Nov 13	14:00	15:30	Enabling Transformation at Scale through Nurturing Engineering Culture and Applying Smart Engineering Practices (Panel)	Bob Blainey, Fatima Hussain, Salah Sharieh	Software Engineering	Empathy
Friday, Nov 13	14:00	15:30	Accelerate your digital transformation through business rule discovery and insightful mainframe application analysis (Hands-on)	Eric Peters, Milandeep Shergill	Systems & Innovation	Foresight

Expo

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Date	Start	End	Title	Speakers	Room	
Tuesday, Nov 10	13:00	14:00	EXPO Networking (Block 1)			Aspiration
Tuesday, Nov 10	13:00	13:10	A Promising Future for using Native Libraries in the Java World	Babneet Singh, Tobi Ajila	Aspiration	
Tuesday, Nov 10	13:10	13:20	Under the covers with Java synchronization: A guide to the secret world of locks, monitors and adaptive spinning	Babneet Singh, Jack Lu	Aspiration	
Tuesday, Nov 10	13:20	13:30	Project of the Year (CAS Project 1035) - Evaluating the Performance of the Eclipse OpenJ9 JIT Compiler on the AArch64 Platform	Kenneth Kent, Aaron G Graham, Daryl Maier, Jean-Philippe Legault, Kazuhiro Konno, Stephen MacKay	Aspiration	
Tuesday, Nov 10	13:30	13:40	Demystifying Garbage Collection in OpenJ9 Java	Cedric Hansen, Igor Braga	Aspiration	
Tuesday, Nov 10	13:40	13:50	Towards Stall-Focused Benchmarks for JVMs on x86 Architecture	Kenneth Kent, Andrew Craik, David Bremner, Michael Fleming, Zhuoran Li	Aspiration	
Tuesday, Nov 10	13:50	14:00	Engineering Adaptive Software Systems Using Open-source Runtime Technologies	Ladan Tahvildari, Andrew Craik, Mark Stoodley, Ryan Liu	Aspiration	
Tuesday, Nov 10	13:00	14:00	EXPO Networking (Block 2)			Boldness
Tuesday, Nov 10	13:00	13:10	Bytecode Coverage in MicroJIT: A Templated Just-in-Time Compiler for Constrained Environments	Kenneth Kent, Eric Coffin, Harpreet Kaur, Julie Brown, Marius Pirvu, Scott Young	Boldness	
Tuesday, Nov 10	13:10	13:20	Boost your development velocity with Java microservices and Docker containers	Eric Lau, Paul Gooderham, Trevor Crawford, Yk Chang	Boldness	
Tuesday, Nov 10	13:20	13:30	Optimizing JIT Service in the Cloud with Code Caching and Prefetching	Alexey Khrabrov, Eyal De Lara, Marius Pirvu, Vijay Sundaresan	Boldness	
Tuesday, Nov 10	13:30	13:40	Efficient JIT Profiling for MicroJIT - A Template-Based Just-in-Time Compiler	Kenneth Kent, Marius Pirvu, Scott Young	Boldness	
Tuesday, Nov 10	13:40	13:50	CAS 1063: Efficient Memory Footprint Reduction for Java Performance	Alexandra Tsvetkova, Bojian Zheng, Marius Pirvu	Boldness	
Tuesday, Nov 10	13:50	14:00	A preliminary investigation into runtime fault identification and localization of Java-based cloud-native microservice applications	Akramul Azim, Andrew Craik, Joseph Robertson, Md Nahid Ebna Hasan Khan, Ramiro Liscano, Yk Chang	Boldness	
Wednesday, Nov 11	13:00	14:00	EXPO Networking (Block 3)			Aspiration

Home	Program	Speakers	Awards	Team	Join	Register
Nov 11	13:00	14:00	EXPO NETWORKING (Block 3)			Aspiration
Wednesday, Nov 11	13:00	13:10	Node.js Event Loop Metric Based auto-scaling in Kubernetes	Kenneth Kent, Joran Siu, Maria Patrou, Michael Dawson, Panos Patros, Sujit Bhandari	Aspiration	
Wednesday, Nov 11	13:10	13:20	Umple: A tool for design and generation of real systems	Timothy Lethbridge	Aspiration	
Wednesday, Nov 11	13:20	13:30	V8's Garbage Collection Impact on Web Animations	Gerhard W. Dueck, Maria Patrou	Aspiration	
Wednesday, Nov 11	13:30	13:40	A Control Flow Optimizer for CPython	David Bremner, Joannah Nanjekye	Aspiration	
Wednesday, Nov 11	13:40	13:50	Value Profile Guided Compile Time Structure Compression	Gennady Pekhimenko, Qiongsi Wu	Aspiration	
Wednesday, Nov 11	13:50	14:00	Generative Query Compiler for Distributed Query Processing	Mark Stoodley, Shubh Sharma, Suprio Ray	Aspiration	
Wednesday, Nov 11	13:00	14:00	EXPO Networking (Block 4)			Boldness
Wednesday, Nov 11	13:00	13:10	Control Logic for Ahead of Time Compilation in Eclipse OMR	Kenneth Kent, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Boldness	
Wednesday, Nov 11	13:10	13:20	Optimized arrayCopy Implementation for Improved Runtime Performance in Java and openJ9 on AArch64	Kenneth Kent, Daryl Maier, Gerhard W. Dueck, Kazuhiro Konno, Siri Sahithi Ponangi	Boldness	
Wednesday, Nov 11	13:20	13:30	Implementing & Evaluating the Performance of SIMD Support in Eclipse OpenJ9 on the AArch64 Platform	Kenneth Kent, Daryl Maier, Kazuhiro Konno, Md. Alvee Noor	Boldness	
Wednesday, Nov 11	13:30	13:40	Extending OMR with Explicit and Automatic Runtime SIMD/GPU Parallelization	Akihiro Hayashi, Gita Koblents, Jimmy Kwa, Kazuaki Ishizaki, Kazuhiro Konno, Tong Zhou, Vivek Sarkar	Boldness	
Wednesday, Nov 11	13:40	13:50	Ahead-of-Time Compilation of WebAssembly using Eclipse OMR	Kenneth Kent, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck, Petar Jelenkovic	Boldness	
Wednesday, Nov 11	13:50	14:00	Persistent Storage for a WebAssembly Ahead-of-Time Compiler using Eclipse OMR	Kenneth Kent, Damian Diago D'monte, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Boldness	
Thursday, Nov 12	13:00	14:00	EXPO Networking (Block 5)			Aspiration
Thursday, Nov 12	13:00	13:10	An Intelligent Interactive System	Farhana Zulkernine, Yuhao Chen	Aspiration	
Thursday, Nov 12	13:10	13:20	Continuous Knob-Tuning over Dynamic Data Environments	Calisto Zuzarte, Jarek Szlichta, Parke Godfrey, Piotr Mierzejewski, Spencer Bryson, Vincent Corvinnelli	Aspiration	
Thursday, Nov 12	13:20	13:30	Smart Tuning: Workload-based Applications Tuning	Adalberto R. Sampaio Junior, Daryl Maier, Don Bourne, Ivan Beschastnikh, Vijay Sundaresan	Aspiration	
Thursday, Nov 12	13:30	13:40	AI based Continuous Compliance for Software Systems	Alberto Giammaria, Chris Brealey, Kostas Kontogiannis, Marios-Stavros Grigoriou	Aspiration	
Thursday, Nov 12	13:40	13:50	Auto-Scaler as a Service for Private/Public Cloud Deployments	Joe Wigglesworth, Ian Watts, Joydeep Mukherjee, Marin Litoiu, Radu Mateescu, Yar Rouf	Aspiration	
Thursday, Nov 12	13:50	14:00	Machine Learning based optimization for database workloads	Andrew Jaramilio, David Kalmuk, Manos Papagelis, Marin Litoiu, Piotr Mierzejewski, Shaikh Quader, Sumona Mukhopadhyay	Aspiration	
Thursday, Nov 12	13:00	14:00	EXPO Networking (Block 6)			Boldness
Thursday, Nov 12	13:00	13:10	Evaluation of machine learning algorithms for test case prioritization in continuous integration environments	Akramul Azim, Kevin Smith, Md Asif Khan, Qasim Tauseef, Ramiro Liscano, Sylvian Garcon, Yk Chang	Boldness	



Home	Program	Speakers	Awards	Team	Join	Register
Thursday, Nov 12	13:10	13:20	Reentrancy Vulnerability Identification in Ethereum Smart Contracts	Manar H. Alalfi, Noama Fatima Samreen		Boldness
Thursday, Nov 12	13:20	13:30	An intelligent data-event profiling framework for streaming IoT data	Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz		Boldness
Thursday, Nov 12	13:30	13:40	An Adapter for IBM Streams and Apache Spark to Facilitate Multi-level Data Analytics	Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz, Yinchun Shi		Boldness
Thursday, Nov 12	13:40	13:50	A Self-Adaptive Blockchain tool to Balance Performance and resource Consumption in IoT applications	Marios Fokaefs, Mohammadreza Rasolroveicy		Boldness
Thursday, Nov 12	13:50	14:00	IBM Cognos Analytics - All the Answers You Need in One Place	Dennis Buttera, Heena Chhattani, Sam Wong		Boldness
Friday, Nov 13	13:00	14:00	EXPO Networking (Block 7)			Aspiration
Friday, Nov 13	13:00	13:10	Unstructured Data Anonymization on the Edge	Gerald Penn, Patricia Thaine, Pieter Luitjens		Aspiration
Friday, Nov 13	13:10	13:20	Propagation of Uncertainty in Non-Contact Neonatal Vital Sign Monitoring	Daniel Kyrollos, James Green, Joann Harrold, Kim Greenwood, Randy Giffen, Samreen Aziz, Yasmina Souley Dosso		Aspiration
Friday, Nov 13	13:20	13:30	A case Study of Phishing Kits Source Code Similarity Distribution	Iosif-Viorel Onut, Ettore Merlo, Gregor Bochmann, Guy-Vincent Jourdan, Mathieu Margier		Aspiration
Friday, Nov 13	13:30	13:40	Identifying Vulnerable IoT Applications using Machine Learning	Hajra Naeem, Manar H. Alalfi		Aspiration
Friday, Nov 13	13:40	13:50	An Adaptive Digital Twin platform for Longitudinal Healthcare Functions based on IBM Watson Technologies	Hausi Muller, Luis F. Rivera, Norha M. Villegas		Aspiration
Friday, Nov 13	13:50	14:00	IBM Security Guardium Insights for IBM Cloud Pak for Security	Ali Asghar, Daniel Nguyen, Devan Shah, James Goe, Jinzi Huang, Kenneth Cheung		Aspiration
Friday, Nov 13	13:00	14:00	EXPO Networking (Block 8)			Boldness
Friday, Nov 13	13:00	13:10	Automated Hot-Fixes for Misuses of Crypto APIs	Andrew Craik, Karim Ali, Kristen Newbury		Boldness
Friday, Nov 13	13:10	13:20	Evaluation of the Mono2Micro Microservice Extraction Tool	Julia Rubin, Cindy High, Evelien Boerstra, Yk Chang		Boldness
Friday, Nov 13	13:20	13:30	Code Analysis Tool for Microservice-based Applications	Julia Rubin, Elson Yuen, Lirukshman Sundaralingam		Boldness
Friday, Nov 13	13:30	13:40	A Language Server for the Eclipse MicroProfile Cloud Native Programming Model	Eric Lau, Kathryn Kodama, Ryan Zegray, Yk Chang		Boldness
Friday, Nov 13	13:40	13:50	REST APIs in Minutes with LoopBack	Diana Lau, Dominique Emond, Janny Hou, Nora Abdelgadir		Boldness
Friday, Nov 13	13:50	14:00	Why is installing applications on z/OS so hard ? The Journey of a z/OS System Programmer Today and Tomorrow	David Budreau, Mike Fulton		Boldness



CASCON x EVOKE 2020

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Julia Rubin
Conference Program Chair



Patrick Kasebzarif
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Community Outreach



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Creative Co-lead



Sandy Bagga
Creative Co-lead

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Guy-Vincent Jourdan



Hausi Müller



Joe Wigglesworth



Ken Wong



Kenneth Kent



Marcellus Mindel





Virtual Platform Team

Name	Position	Institution	Social Profile
Katina Kelly	Customer Success Manager	IBM	
Matthew Luzius	Customer Success Manager	IBM	
Chris Kale	Video Streaming Admin	IBM Canada Ltd	
Christine Gokool	Video Streaming Admin	IBM Canada Ltd	
Corey Gray	Video Streaming Admin	IBM Canada Ltd	
Diane Beauvais	Video Streaming Admin	IBM Canada Ltd	
Madni Ahmed	Video Streaming Admin	IBM Canada Ltd	
Michael Keillor	Video Streaming Admin	IBM Canada Ltd	
Sonia Singh	Video Streaming Admin	IBM Canada Ltd	
Ali Hosny Hamdy	Video Streaming Admin and Pheedloop Admin	IBM Canada Ltd	<input type="checkbox"/>
Gursehaj Harika	Video Streaming Admin and Pheedloop Admin	IBM Canada Ltd	<input type="checkbox"/>
Kevin Yu	Video Streaming Admin and Pheedloop Admin	IBM Canada Ltd	<input type="checkbox"/>
Aysha Anwar	Video Streaming Admin and Slack Admin	IBM Canada Ltd	<input type="checkbox"/>
Lily Shaddick	Video Streaming Admin and Slack Admin	IBM Canada Ltd	<input type="checkbox"/>
Maria Gallaher	Video Streaming Admin and Slack Admin	IBM Canada Ltd	<input type="checkbox"/>
Timmy Ng	Virtual Platform Admin	IBM Canada Ltd	<input type="checkbox"/> <input type="checkbox"/>
Vio Onut	Virtual Platform Admin	IBM Canada Ltd	<input type="checkbox"/> <input type="checkbox"/>

Most Influential Paper Selection Committee

Name	Institution
Julia Rubin	University of British Columbia, Program Chair
Ettore Merlo	École Polytechnique de Montréal
Hausi Muller	University of Victoria
Joe Wigglesworth	IBM Canada Ltd
Kostas Kontogiannis	Western University
Robert Enenkel	IBM Canada Ltd

Program Committee

Name	Institution
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Alexander Chatzigeorgiou	University of Macedonia
Alexei Lapouchnian	University of Toronto
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Ayse Bener	Ryerson University
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Daqing Hou

Clarkson University

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David Bremner

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Diwakar Krishnamurthy

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Ebrahim Bagheri

Ryerson University

Ettore Merlo

École Polytechnique de Montréal

Eyal De Lara

University of Toronto

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École Polytechnique de Montréal

Frank Dehne

Carleton University

Fred Popowich

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École de technologie supérieure

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IBM Canada Ltd

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Mohammad Sadoghi

University of California

Mohammed Sayagh

Queen's University

Morteza Zihayat

Ryerson University

Murray Woodside

Carleton University

Nazim Madhavji

University of Western Ontario

Norha M. Villegas

Universidad Icesi

Panos Patros

University of Waikato

Paul Ward

University of Waterloo

Paula Branco

University of Ottawa

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Ulrike Stege	University of Victoria
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Vijay Sundaresan	IBM Canada Ltd
Vivek Sarkar	Georgia Institute of Technology
Whitney Tsang	IBM Canada Ltd
Wolfram Kahl	McMaster University
Yee-Kang Chang	IBM Canada Ltd

Volunteers

Name	Institution
Marin Litoiu	York University, Volunteer Chair
Alejandro Peña Tsukamoto	Universidad Icesi
Alireza Goli	University of Alberta
Anthony Peruma	Rochester Institute of Technology
Augustine Jerry Arakkal Joseph	Lambton College
Bon Ryu	York University
Camilo Campaz Jiménez	Universidad Icesi
Clare Kim	University of Toronto
Daman Arora	IBM
Damian Diago D'Imonte	University of New Brunswick
Devharsh Trivedi	Stevens Institute of Technology
Dmytro Humeniuk	École Polytechnique de Montréal
Dominik Brugger	IBM Germany
Emad Badawi	University of Ottawa
Eman AlOmar	Rochester Institute of Technology
Faria Khandaker	University of Toronto
Jaime Dantas	York University
Johan Stiven Ricardo	Universidad Icesi
Joshua Tanner	Carleton University
Joydeep Mukherjee	York University
Julien Cassagne	École Polytechnique de Montréal
Kemi Akinkuehinmi	Lambton College
Kim Long Ngo	York University
Mahima Chaudhary	York University
Mathieu Margier	École Polytechnique de Montréal
Mehrdad Mehrabi	York University
Mohammadreza Rasolroveychi	École Polytechnique de Montréal
Nga Tran	University of New Brunswick



Volunteers

Name	Institution
Marin Litoiu	York University, Volunteer Chair
Alejandro Peña Tsukamoto	Universidad Icesi
Alireza Goli	University of Alberta
Anthony Peruma	Rochester Institute of Technology
Augustine Jerry Arakkal Joseph	Lambton College
Bon Ryu	York University
Camilo Campaz Jiménez	Universidad Icesi
Clare Kim	University of Toronto
Daman Arora	IBM
Damian Diago D'Imonte	University of New Brunswick
Devharsh Trivedi	Stevens Institute of Technology
Dmytro Humeniuk	École Polytechnique de Montréal
Dominik Brugger	IBM Germany
Emad Badawi	University of Ottawa
Eman AlOmar	Rochester Institute of Technology
Faria Khandaker	University of Toronto
Jaime Dantas	York University
Johan Stiven Ricardo	Universidad Icesi
Joshua Tanner	Carleton University
Joydeep Mukherjee	York University
Julien Cassagne	École Polytechnique de Montréal
Kemi Akinkuehinmi	Lambton College
Kim Long Ngo	York University
Mahima Chaudhary	York University
Mathieu Margier	École Polytechnique de Montréal
Mehrdad Mehrabi	York University
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Ramneek Singh	Lambton College
Ryan Zheng He Liu	University of Waterloo
Sam Astles	Carleton University
Seyed Alireza Damghani	University of New Brunswick
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Sushmita Chaurasia	Lambton College of Toronto
Waeal J. Obidalla	Ottawa University
Yasmina Souley Dosso	Carleton University
Yuvika Arora	Lambton College / Mississauga Transportation Resources
Zhuoran Li	University of New Brunswick



CASCON x EVOKE 2020

Nov. 10 - 13, 2020



Best Paper Award

Best Paper will recognize the best technical contributions of the event in terms of originality, clarity, and potential impact.

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Congratulations to the Winners!

The Best Paper Award is awarded to Britta Sennewald, Rainer Herpers, Marco Hülsmann and Kenneth B. Kent in recognition for their paper "Voting for Authorship Attribution Applied to Dark Web Data".

Winners:

Britta Sennewald, University of New Brunswick
Rainer Herpers, University of Applied Sciences Bonn-Rhein-Sieg
Marco Hülsmann, University of Applied Sciences Bonn-Rhein-Sieg
Kenneth B. Kent, University of New Brunswick

[Read more ->](#)



Britta Sennewald



Rainer Herpers



Marco Hülsmann



Kenneth Kent

Best Student Paper

Best Student Paper will recognize the best technical contributions of the event in terms of originality, clarity, and potential impact. To be eligible for the Best Student Paper award, a student must have primarily authored the paper, must have been a student(s) at the time works has done, and must have carried out the work described; only the student author(s) will receive this award.

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Congratulations to the Winners!

The Best Student Paper Award is awarded to Sanjena Krishnakumar and Tamer Abdou in recognition for their paper "Towards Interpretable and Maintainable Supervised Learning Using Shapley Values in Arrhythmia".

Winners:

Sanjena
KrishnakumarTamer
Abdou

Most Influential Paper

Since 2010, CASCON has presented a "Most Influential Paper" (MIP) Award to a paper published a decade earlier at CASCON. The MIP recognizes lasting contributions and impact to theory and practice

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Congratulations to the Winners!

The Most Influential Paper Award is awarded to Petcharat Viriyakattiyaporn and Gail C. Murphy in recognition for their CASCON 2010 paper "Improving program navigation with an active help system".

Winners:

Petcharat Viriyakattiyaporn, University of British Columbia (in 2010)

Gail C. Murphy, University of British Columbia

[Read more ->](#)

Petcharat
ViriyakattiyapornGail C.
Murphy

2020 Student of the Year

IBM Canada Advanced Studies presents the Student of the Year award to a student who harvests and transfers results from advanced research to strategic products and initiatives.

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Congratulations to the Winner!

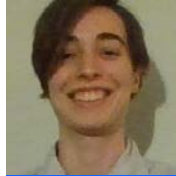
The 2020 Student of the Year Award is awarded to Kristen Newbury, University of Alberta.

During her thesis research with IBM, Kristen invented a novel low-overhead runtime patching solution that applies automated hotfixes for misuses of cryptography APIs as the code is being executed in a running system. She constructed a prototype implementation for use in the Eclipse OpenJ9 JVM.

Kristen mastered three complex systems: the Eclipse OpenJ9 Java Virtual Machine, the Soot static program analysis framework, and the CogniCrypt cryptography API validation system. She made code contributions to OpenJ9 and CogniCrypt, with additional contributions planned to Soot and OpenJ9. She has been very effective at transferring her knowledge to other students.

**Honourable Mentions:**

Maria Patrou, University of New Brunswick
William Pourmajidi, Ryerson University



Kristen Newbury

2020 Collaborator of the Year

IBM Canada Advanced Studies presents the Collaborator of the Year award to an IBMer who makes outstanding contributions to a CAS research project, and invests time to nurture research results.

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Congratulations to the Winner!

The 2020 Collaborator of the Year Award is awarded to Vijay Sundaresan, IBM.

In 2020, Vijay led or made direct contributions to six different CAS research projects, and indirect contributions to several others, across the Java and WebSphere Application Server teams. He also initiated new research collaborations in IBM Cloud in three different areas, and co-authored and guided one patent submission and two research papers.

Vijay served on the CASCON EVOKE 2020 Program Committee, and was co-chair of the "Fourth Workshop on Advances in Open Runtimes and Cloud Performance Technologies" at the conference. He also strengthened academic-industry relationships through his involvement in CANOSP, an academic program that connects top students from Canadian universities to work on open-source projects over the course of a semester.

Winner:

Vijay Sundaresan, IBM

Honourable Mentions:

Shaikh Quader, IBM
Yee-Kang Chang, IBM



Vijay Sundaresan

2020 Faculty of the Year

IBM Canada Advanced Studies presents the Faculty of the Year award to a professor who drives academic and research collaboration that solves emerging technology issues and is strategic in shaping the next generation.

The deliberate energy of Marin's consistent involvement and advocacy over decades has helped to shape the IBM Center for Advanced Studies, and has powered an incredible number of successful projects. His past role as a CAS Research Staff Member, and his position as a full professor at York University, are a testament to his outstanding scientific and technical ability.

Marin expanded his expertise to encompass critical AI and machine learning technologies. He has proven very effective at applying his research and his students' efforts to key industrial problems to deliver innovation that matters.

Winner:

Prof. Marin Litoiu, York University

Honourable Mentions:

Christopher Anand, McMaster University
Karim Ali, University of Alberta



Prof. Marin Litoiu

2020 Project of the Year

IBM Canada Advanced Studies presents the Project of the Year award to a research project that best epitomizes the mission of CAS Research.

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Congratulations to the Winners!

The 2020 Project of the Year Award is awarded to Project 1035: OMR in Resource Constrained Environments (Embedded/IoT/Mobile OMR).

This 2020 project best exemplified the IBM Center for Advanced Studies mission, by delivering excellence in applied research, exposing IBM development teams to new and emerging technologies, and transferring results into commercial products.

Due to a high priority client need, the project team was challenged to accelerate delivery of an AArch64 implementation of OpenJ9. The University of New Brunswick students rose to the challenge, and their outstanding contributions made it possible to deliver a working AArch64 backend in Eclipse OMR. The team also made significant contributions towards integrating the OMR backend into Eclipse OpenJ9 to produce an AArch64 JIT compiler.

The success of this project testifies to both the depth of Runtimes expertise built by the University of New Brunswick, and the breadth of student involvement in CAS Atlantic.

Winning Project Research Team:

Aaron Graham, Research Associate, University of New Brunswick
Md. Ariful Haque, Jean-Philippe Legault, Sean Moffatt, Md. Alvee Noor, Sahithi Ponangi, M.Sc. Candidates, University of New Brunswick
Julie Brown, Hillary Soontiens, Michael Flawn, Undergraduate Students, University of New Brunswick
Professor Kenneth Kent, University of New Brunswick
Professor Gerhard Dueck, University of New Brunswick
Stephen MacKay, Project Manager, University of New Brunswick
Daryl Maier, Senior Software Developer, IBM Runtime Technologies
Kazuhiro Konno, Advisory Software Engineer, Java Runtime and JIT Compiler, IBM
Tony Renaud, Senior Manager, IBM Runtime Technologies

Honourable Mentions:

Project 1046: Conversion and retention of users, Ryerson University and IBM
Project 1006: Approximation Algorithms for Instruction Scheduling, McMaster University and IBM

2020 Research Team of CAS Project 1035:



Aaron Graham



Jean-Philippe Legault



Md. Alvee Noor



Julie Brown



Siri Sahithi Ponangi



Prof. Kenneth Kent



Prof. Gezhard Dueck



Stephen MacKay



Daryl Maier



Kazuhiro Konno

Keynote Speakers



Andrew Pelling



Alexandre Blais



Nicolas Papernot



Niina Haiminen

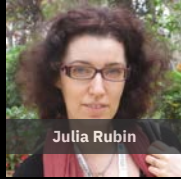
Networking Hosts



Marcellus Mindel



Iosif-Viorel Onut



Julia Rubin



Joe Wigglesworth



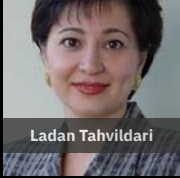
Kenneth Kent



Jenn Collins



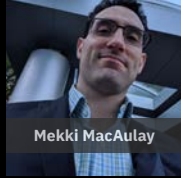
Kunal Sawarkar



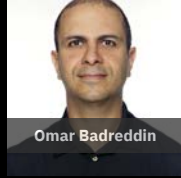
Ladan Tahvildari



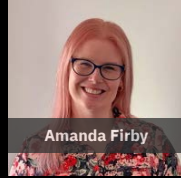
Mathew Mozaffari



Mekki MacAulay



Omar Badreddin



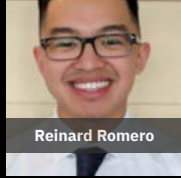
Amanda Firby



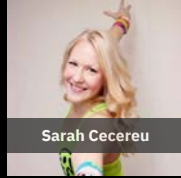
Jessica Hussey



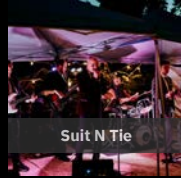
Layette Ross



Reinard Romero



Sarah Cecereu



Suit N Tie

Industry Talk Speakers



Andrea MacDonald



Eric Termuende



John Rofrano



Maggie Adhami-Boynton



Dr. Peter Blecher



Sam Lightstone



Lesley Nuttall



Mathew Mozaffari



Mekki MacAulay



Adara Hagman



Aditya Pareek



Alan Smithson



Amandeep Singh



Ananya Chadha



Andrew Hilden



Aneeqa Ishaq



Aniket Kulkarni



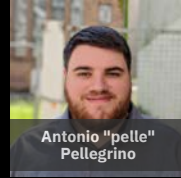
Anil Kumar Thiramdass



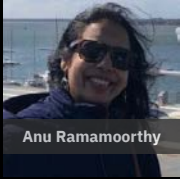
Anisha Musti



Annalise Czemy



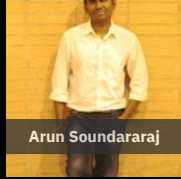
Antonio "pelle" Pellegrino



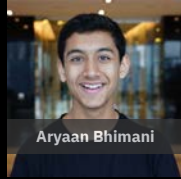
Anu Ramamoorthy



Anupra Chandran



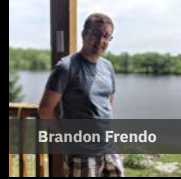
Arun Soundararaj



Aryaan Bhimani



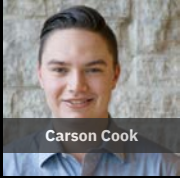
Ben Huang



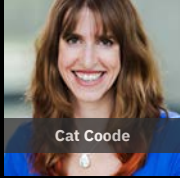
Brandon Frendo



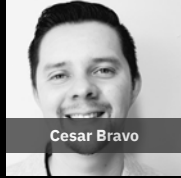
Brian Thompto



Carson Cook



Cat Coode



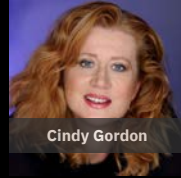
Cesar Bravo



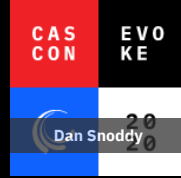
Christian Bseliss



Christine Loreda

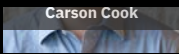


Cindy Gordon

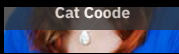


Dan Snoddy

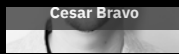




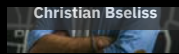
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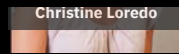
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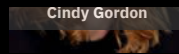
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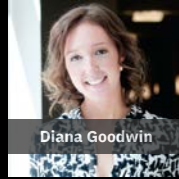
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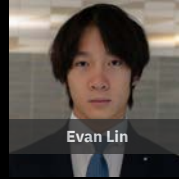
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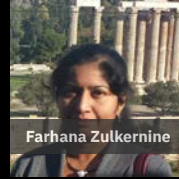
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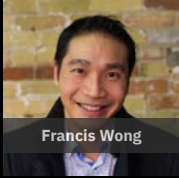
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Evan Lin



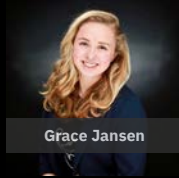
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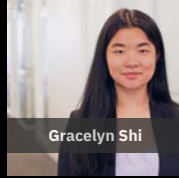
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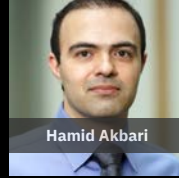
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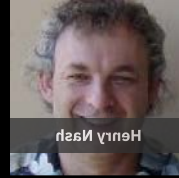
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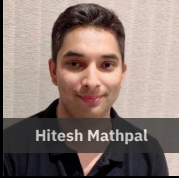
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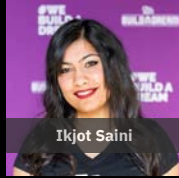
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Hitesh Mathpal



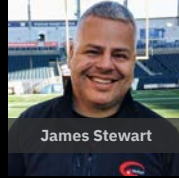
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James Stewart



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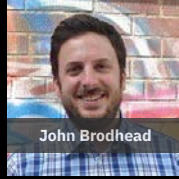
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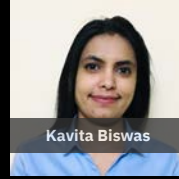
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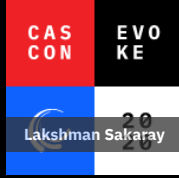
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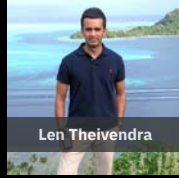
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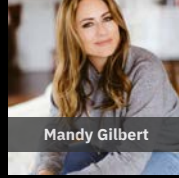
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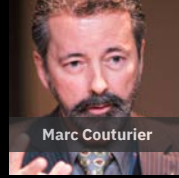
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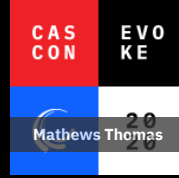
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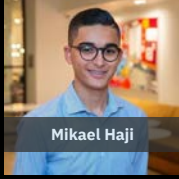
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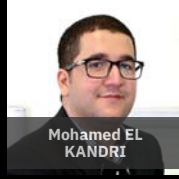
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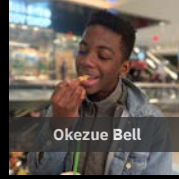
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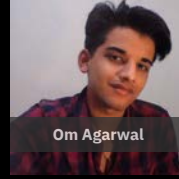
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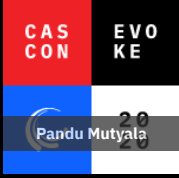
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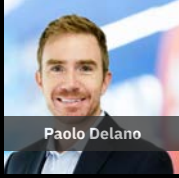
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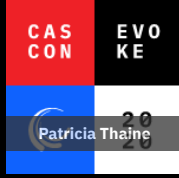
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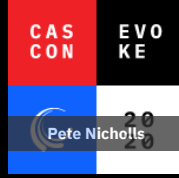
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Patricia Thaine



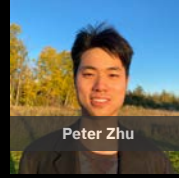
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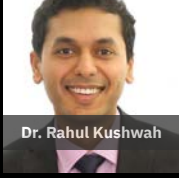
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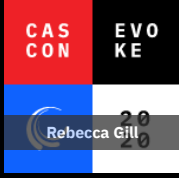
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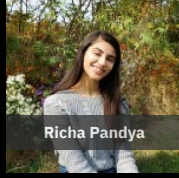
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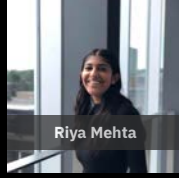
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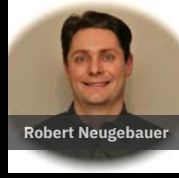
Rebecca Gill



Richa Pandya



Riya Mehta



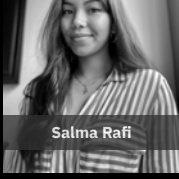
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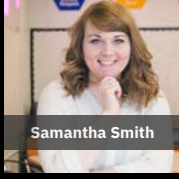
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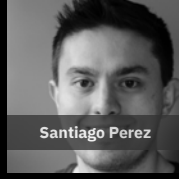
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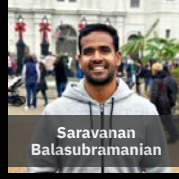
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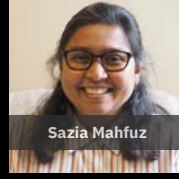
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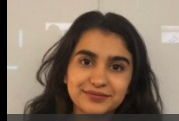
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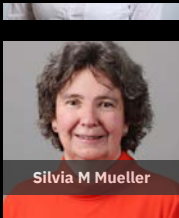


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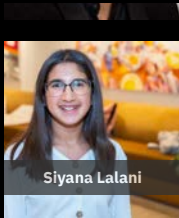


Sebastien Taveau





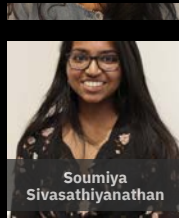
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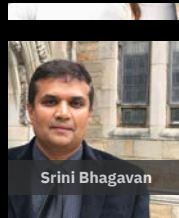
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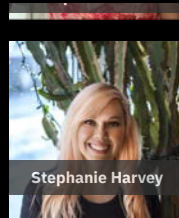
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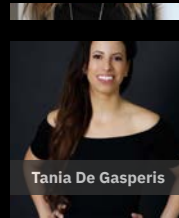
Soumiya Sivasathiyathan



Srini Bhagavan



Stephanie Harvey



Tania De Gasperis



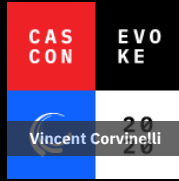
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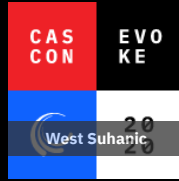
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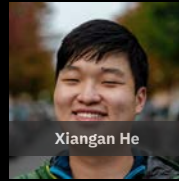
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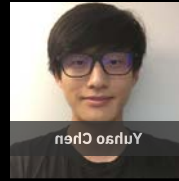
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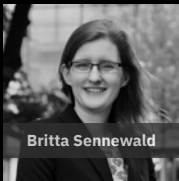


Xiangnan He



nrdO osrluY

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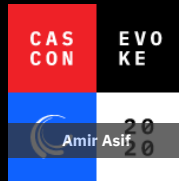
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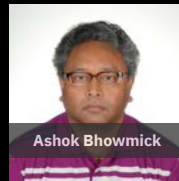
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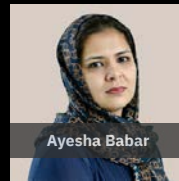
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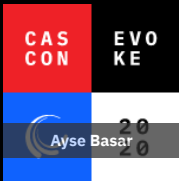
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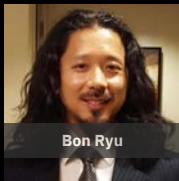
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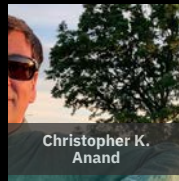
Bon Ryu



Calisto Zuzarte



Chris Brealey



Christopher K. Anand



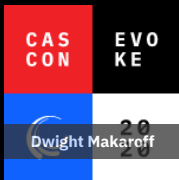
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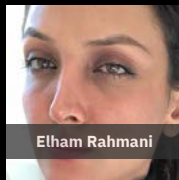
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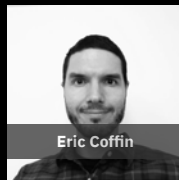
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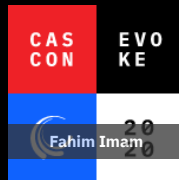
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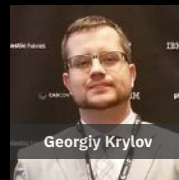
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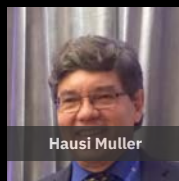
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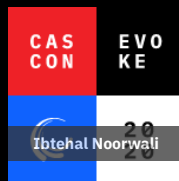
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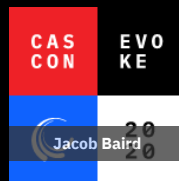
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Hausi Muller



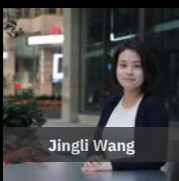
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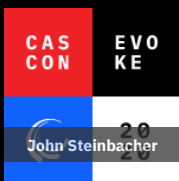
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James Yoti



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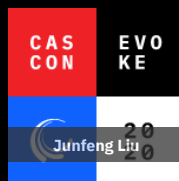
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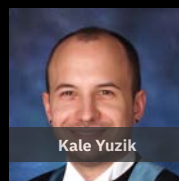
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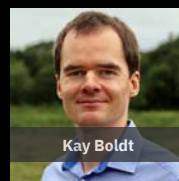
Julie Brown



Junfeng Liu



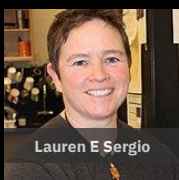
Kale Yuzik



Kay Boldt



Kostas Kontogiannis



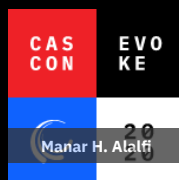
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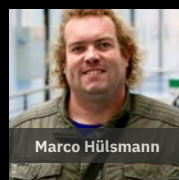
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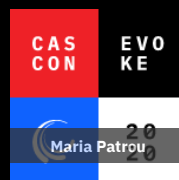
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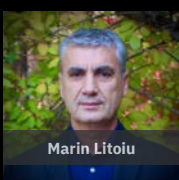
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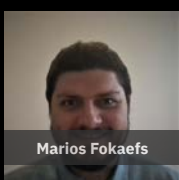
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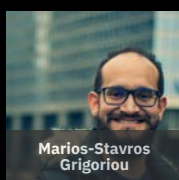
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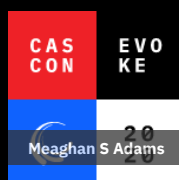
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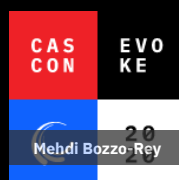
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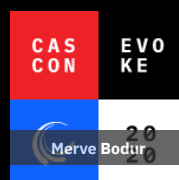
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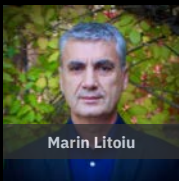


Mehdi Bozzo-Rey

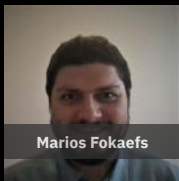


Merve Bodur

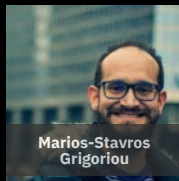




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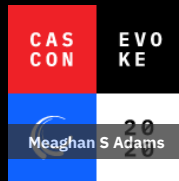
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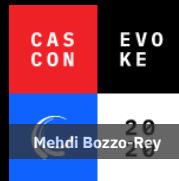
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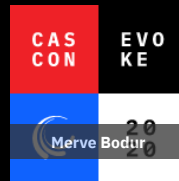
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Meaghan S Adams



Mehdi Bozzo-Rey



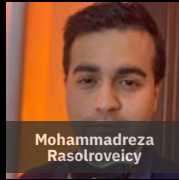
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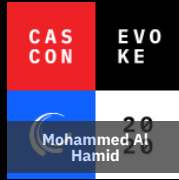
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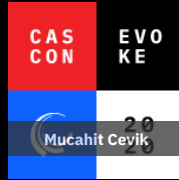
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Mohammadreza Rasolroveychi



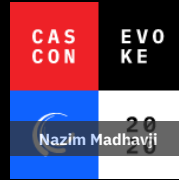
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Mucahit Cevik



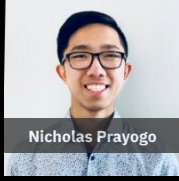
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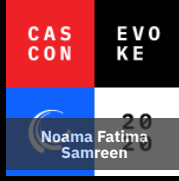
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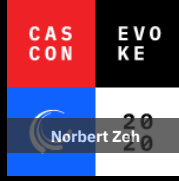
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Nicholas Prayogo



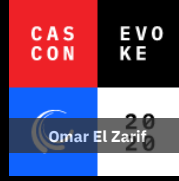
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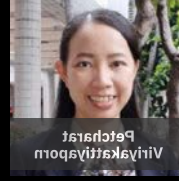
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Oliver Baltzer



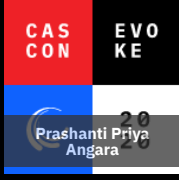
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Pecharat Vithayakorn



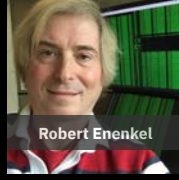
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Prashanti Priya Angara



Rainer Herpers



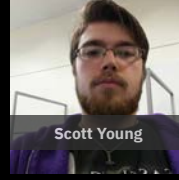
Robert Enenkel



Safwat Hassan



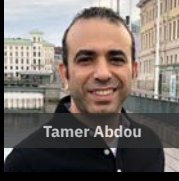
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Scott Young



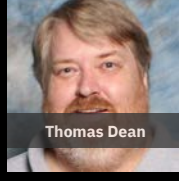
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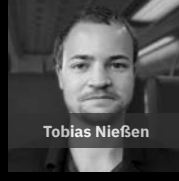
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Tanya Bouman



Thomas Dean



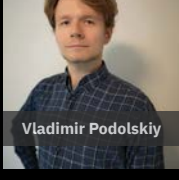
Tobias Nießen



Vida Movahedi



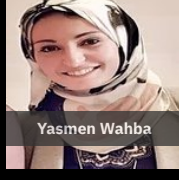
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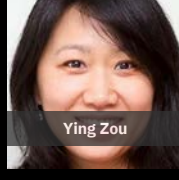
Vladimir Podolskiy



Wolfram Kahl



Yasmen Wahba



Ying Zou



Yonggang Hu



Yusra Irfan



Zana Rashidi

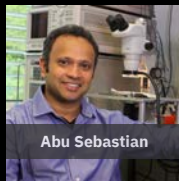
Workshop Chairs/Speakers



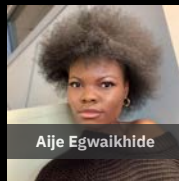
John Rofrano



Joe Wigglesworth



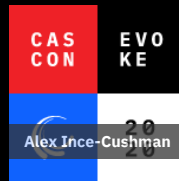
Abu Sebastian



Aije Egwaikhide



Alberto Giammaria



Alex Ince-Cushman



Ali Asghar



Ali Hamdy



Allen Chan



Alvin Francis



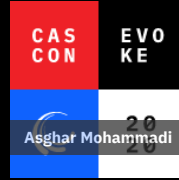
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Aquilas Tchanjou Njomou



Arik Senderovich



Asghar Mohammadi



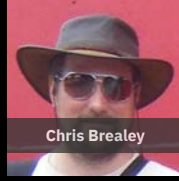
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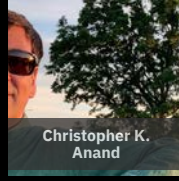
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Bob Fay



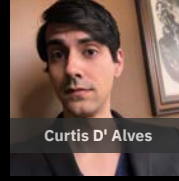
Chris Breatley



Christopher K. Anand




Claudio Di Ciccio




Curtis D' Alves




DENNIS BUTTERA



Daniel Manda



Daniel Nguyen



Daryl Maier



David Bremner



Debanshu Majumdar



Denise Almeida



Dennis Buttera



Devan Shah



Dionne Aleman




Eric Peters



Eric Yu



Fatima Hussain



Gilbert Kwan



Glisee Jansen



Guoliang Zhao




Hajo Reijers



Hamzeh Khazaei



Hausi Muller




Hina Sharma




Ian Watts



James Goe




Jamie Coleman




Jegan Jegadeesan




Jerome Nilmeier




Jinzi Huang




Jordan Bradfield




Jose Moreira



Joshua Allard



Justin Semethago




Kelly Lyons




Kenneth Cheung




Kostas Kontogiannis




Krista Nolan




Kuan Feng




Lena Woolf




Leo Christy Jesuraj




Mamatha Venkatesh




Marin Litoiu



Marios-Stavros Grigoriou




Nhan Thai



Mehdi Bozzo-Rey



Meswan Bhaugerutty




Michelle Alexopoulos




Miguel Jimenez




Milandeep Shergill




Mohammadreza Rasolroveyci



Nadine Nichols



Naveen Yadav



Nima Mahmoudi



Nithin Mathew




Nitika Sharma




Paul Price




Prarthana Manikoth Jayakumar



Priyanka Telang




Proton Rahman




Radu Mateescu



Randy Giffen



Ria Sachdev



Robert Enenkel




Robert Frost



Robert Loredo




Rohan Alexander



Salah Sharif



Salil Ahuja




Sarah Packowski



Sean Wagner



Sebastian Carbajales



Shilpa Menezes



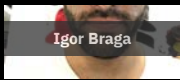
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Silvia M Mueller



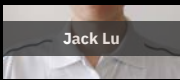
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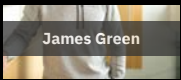
Igor Braga



Ivan Beschastnikh



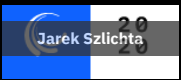
Jack Lu



James Green



Janny Hou



Jarek Szlichta



Jean-Philippe Legault



Jimmy Kwa



Joann Harrold



Joannah Nanjeyke



Joran Siu



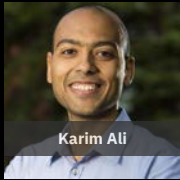
Joseph Robertson



Jeyaraj Manojkumar



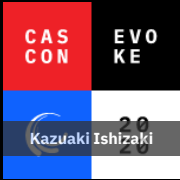
Julie Brown



Karim Ali



Kathryn Kodama



Kazuaki Ishizaki



Kazuhiro Konno



Kenneth Cheung



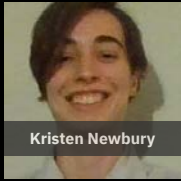
Kevin Smith



Kim Greenwood



Kostas Kontogiannis



Kristen Newbury



Lirukshman Sundaralingam



Luis F. Rivera



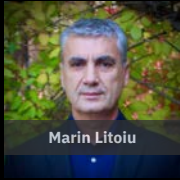
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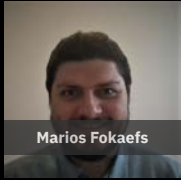
Manos Papagelis



Maria Patrou



Marin Litoiu



Marios Fokaefs



Marios-Stavros Grigoriou



Marius Pirvu



Mark Stoodley



Mathieu Margier



Md. Alvee Noor



Md Asif Khan



Md Nahid Ebna Hasan Khan



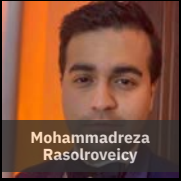
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Michael Fleming



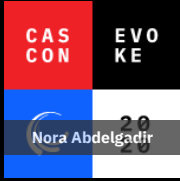
Mike Fulton



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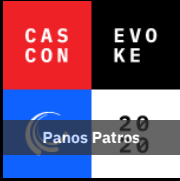
Noama Fatima Samreen



Nora Abdelgadir



Norha M. Villegas



Panos Patros



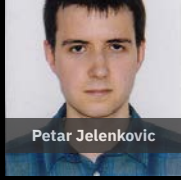
Parke Godfrey



Patricia Thaine



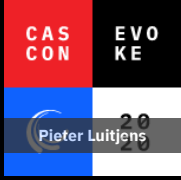
Paul Gooderham



Petar Jelenkovic



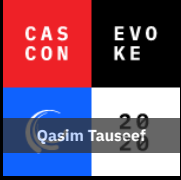
Pete Nichols



Pieter Luitjens



Piotr Mierzejewski



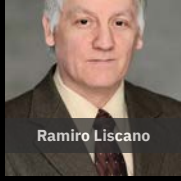
Qasim Tauseef



Qiongsi Wu



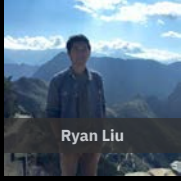
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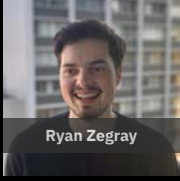
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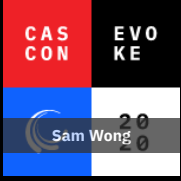
Randy Giffen



Ryan Liu



Ryan Zegray



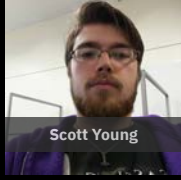
Sam Wong



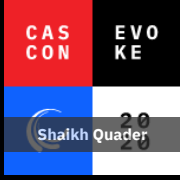
Samreen Aziz



Sazfa Mahfuz



Scott Young



Shaikh Quader



Shubh Sharma



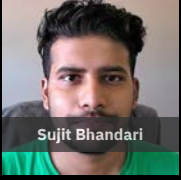
Siri Sahithi Ponangi



Spencer Bryson



Stephen MacKay



Sujit Bhandari



Sushmita Ghosh



Sushmita Ghosh



Sushmita Ghosh



Sushmita Ghosh



Sushmita Ghosh



Sushmita Ghosh



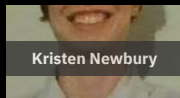
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Kim Greenwood



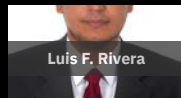
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Kristen Newbury



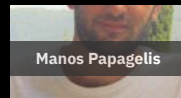
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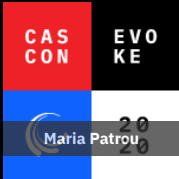
Luis F. Rivera



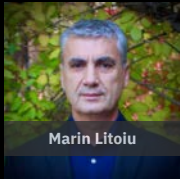
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Manos Papagelis



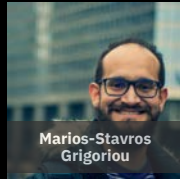
Maria Patrou



Marin Litoiu



Marios Fokaefs



Marios-Stavros Grigoriou



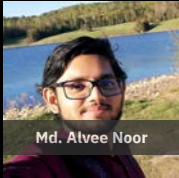
Marius Pirvu



Mark Stoodley



Mathieu Margier



Md. Atvee Noor



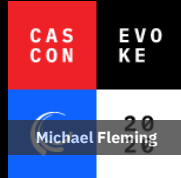
Md Asif Khan



Md Nahid Ebna Hasan Khan



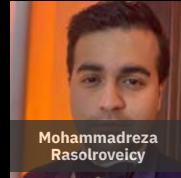
Michael Dawson



Michael Fleming



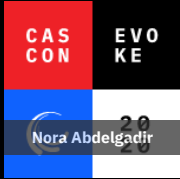
Mike Fulton



Mohammadreza Rasolrovey



Noama Fatima Samreen



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Panos Patros



Parke Godfrey



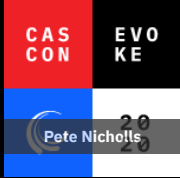
Patricia Thaine



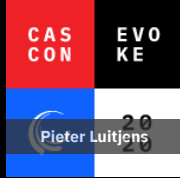
Paul Gooderham



Petar Jelenkovic



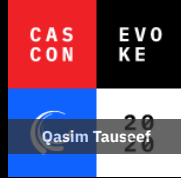
Pete Nichols



Pieter Luitjens



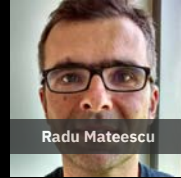
Piotr Mierzejewski



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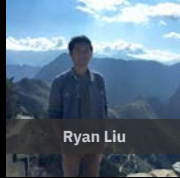
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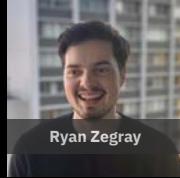
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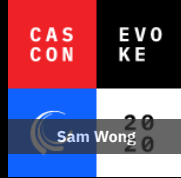
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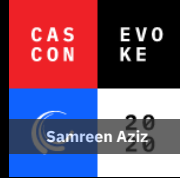
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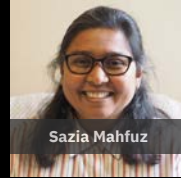
Ryan Zegray



Sam Wong



Samreen Aziz



Sazia Mahfuz



Scott Young



Shaikh Quader



Shubh Sharma



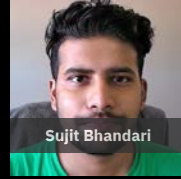
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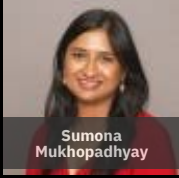
Spencer Bryson



Stephen MacKay



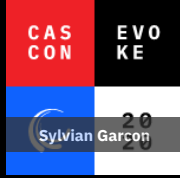
Sujit Bhandari



Sumona Mukhopadhyay



Suprio Ray



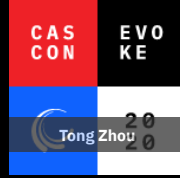
Sylvian Garçon



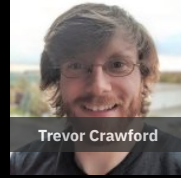
Timothy Lethbridge



Tobi Ajila



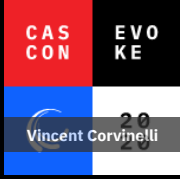
Tong Zhou



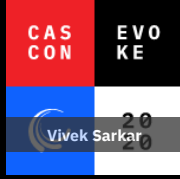
Trevor Crawford



Vijay Sundaresan



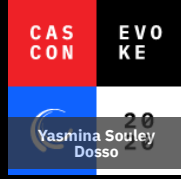
Vincent Corvini



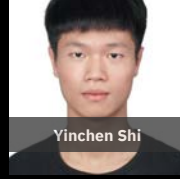
Vivek Sarkar



Yar Rouf



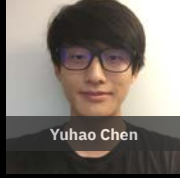
Yasmina Soutley Dosso



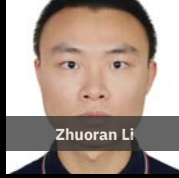
Yinchen Shi



YK Chang



Yuhao Chen



Zhuoran Li

CASCON x EVOKE 2020

Nov. 10 - 13, 2020



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Conference Channels Listing

Click the channel tabs below to see the full schedule of each conference channel

- All Channels
- Aspiration**
- Boldness
- Creativity
- Determination
- Empathy
- Foresight

Watch Channel Aspiration Live on Nov 10

All times displayed are in Eastern Standard Time

Time	Title	Format
Tuesday, Nov 10 AI in Aspiration		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 11:30	Virtual Mind and Soul doctor Debanshu Majumdar	Workshop
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 13:10	A Promising Future for using Native Libraries in the Java World Babneet Singh, Tobi Ajila	Expo Video
13:10 to 13:20	Under the covers with Java synchronization: A guide to the secret world of locks, monitors and adaptive spinning Babneet Singh, Jack Lu	Expo Video
13:20 to 13:30	Project of the Year (CAS Project 1035) - Evaluating the Performance of the Eclipse OpenJ9 JIT Compiler on the AArch64 Platform Kenneth Kent, Aaron G Graham, Daryl Maier, Jean-Philippe Legault, Kazuhiro Konno, Stephen MacKay	Expo Video
13:30 to 13:40	Demystifying Garbage Collection in OpenJ9 Java Cedric Hansen, Igor Braga	Expo Video



Time	Title	Format
13:40 to 13:50	Towards Stall-Focused Benchmarks for JVMs on x86 Architecture Kenneth Kent, Andrew Craik, David Bremner, Michael Fleming, Zhuoran Li	Expo Video
13:50 to 14:00	Engineering Adaptive Software Systems Using Open-source Runtime Technologies Ladan Tahvildari, Andrew Craik, Mark Stoodley, Ryan Liu	Expo Video
14:00 to 14:30	The Future of AI Sam Lightstone	Industry Talk
14:30 to 15:00	IBM Mono2Micro: Using the power of AI and deep learning to refactor monoliths to microservices Len Theivendra	Industry Talk
15:00 to 15:30	Digital: Soup to Nuts Denis Skinner	Industry Talk
15:30 to 16:00	Ask Me Anything session Joe Wigglesworth	Networking
16:00 to 16:30	Injecting AI into IT Operations Francis Wong, Jeremy Brumer	Industry Talk
16:30 to 17:00	Bringing Artificial Intelligence to the forefront of Workplace Health and Safety Dr. Rahul Kushwah	Industry Talk
17:00 to 17:30	Carbon Capture and Sequestration Technologies Ananya Chadha	Industry Talk
17:30 to 18:00	This is what happens when you add real AI to your marketing Jansen Sullivan	Industry Talk
Wednesday, Nov 11 AI in Aspiration		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	AI & Graph Technology: What Are Knowledge Graphs Gurminder Kandola	Industry Talk
10:22 to 10:45	The Effectiveness of Static Word Embeddings on the Classification of IT Support Tickets John Steinbacher, Nazim Madhavji, Yasmen Wahba	Paper Presentation
10:45 to 11:07	Deep learning approaches to classify the relevance and sentiment of news articles to the economy Ashok Bhowmick, Ayse Basar, Jingli Wang, Mucahit Cevik	Paper Presentation
11:07 to 11:30	Best Paper - Voting for Authorship Attribution Applied to Dark Web Data Britta Sennewald, Kenneth Kent, Marco Hülsmann, Rainer Herpers	Paper Presentation
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 13:10	Node.js Event Loop Metric Based auto-scaling in Kubernetes Kenneth Kent, Joran Siu, Maria Patrou, Michael Dawson, Panos Patros, Sujit Bhandari	Expo Video
13:10 to 13:20	Umple: A tool for design and generation of real systems Timothy Lethbridge	Expo Video
13:20 to 13:30	V8's Garbage Collection Impact on Web Animations Gerhard W. Dueck, Maria Patrou	Expo Video
13:30 to 13:40	A Control Flow Optimizer for CPython David Bremner, Joannah Nanjekye	Expo Video
13:40 to 13:50	Value Profile Guided Compile Time Structure Compression Gennady Pekhimenko, Qiongsi Wu	Expo Video
13:50 to 14:00	Generative Query Compiler for Distributed Query Processing Mark Stoodley, Shubh Sharma, Suprio Ray	Expo Video
14:00 to 15:30	International Workshop on AIOps and System Compliance (Part 1) Alberto Giammaria, Aquilas Tchanjou Njomou, Chris Brealey, Guoliang Zhao, Hamzeh Khazaei, Kostas Kontogiannis, Marios-Stavros Grigoriou, Mohammadreza Rasolroveicy, Ria Sachdev, Salil Ahuja, Shripad Nadgowda	Workshop
15:30 to 16:00	Ask Me Anything session Julia Rubin	Networking
16:00 to 18:00	International Workshop on AIOps and System Compliance (Part 2) Alberto Giammaria, Aquilas Tchanjou Njomou, Chris Brealey, Guoliang Zhao, Hamzeh Khazaei, Kostas Kontogiannis, Marios-Stavros Grigoriou, Mohammadreza Rasolroveicy, Ria Sachdev, Salil Ahuja, Shripad Nadgowda	Workshop
Thursday, Nov 12 AI in Aspiration		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Creating Business Value by Driving New Customer Behaviour: The Power of Technology and Data in Open Ecosystems Hamid Akbari, Santiago Perez	Industry Talk
10:30 to 11:00	Helping business thrive and adapt through meaningful technology Cindy Gordon	Industry Talk
11:00 to 11:30	Responsible AI 101: Introduction to key concepts and applications Tania De Gasperis	Industry Talk
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 13:10	An Intelligent Interactive System Farhana Zulkernine, Yuhao Chen	Expo Video
13:10 to 13:20	Continuous Knob-Tuning over Dynamic Data Environments Calisto Zuzarte, Jarek Szlichta, Parke Godfrey, Piotr Mierzejewski, Spencer Bryson, Vincent Corvinelli	Expo Video
13:20 to 13:30	Smart Tuning: Workload-based Applications Tuning Adalberto R. Sampaio Junior, Daryl Maier, Don Bourne, Ivan Beschastnikh, Vijay Sundaresan	Expo Video



Time	Title	Format
13:30 to 13:40	AI based Continuous Compliance for Software Systems Alberto Giammaria, Chris Brealey, Kostas Kontogiannis, Marios-Stavros Grigoriou	Expo Video
13:40 to 13:50	Auto-Scaler as a Service for Private/Public Cloud Deployments Joe Wigglesworth, Ian Watts, Joydeep Mukherjee, Marin Litoiu, Radu Mateescu, Yar Rouf	Expo Video
13:50 to 14:00	Machine Learning based optimization for database workloads Andrew Jaramilio, David Kalmuk, Manos Papagelis, Marin Litoiu, Piotr Mierzejewski, Shaikh Quader, Sumona Mukhopadhyay	Expo Video
14:00 to 14:30	How IBM turned Watson from Jeopardy-winning supercomputer to an NLP business Sam Lightstone, Robert Yates	Industry Talk
14:30 to 15:00	An Intelligent Interactive System Farhana Zulkernine, Yuhao Chen	Industry Talk
15:00 to 15:30	Using machine learning to improve SQL query performance in Db2 LUW Brandon Frendo, Vincent Corvinelli	Industry Talk
15:30 to 16:00	Ask Me Anything session Kenneth Kent	Networking
16:00 to 18:00	Deep Learning with Watson Studio and TensorFlow Jerome Nilmeier	Workshop
Friday, Nov 13 AI in Aspiration		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 11:30	Advent of AI and IOT in predictive maintenance planning for Manufacturing industry Jegan Jegadeesan, Mamatha Kv, Naveen Yadav, Nithin Mathew, Prarthana M J, Priyanka Telang, Srinivasarao Kakaraparti	Workshop
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 13:10	Unstructured Data Anonymization on the Edge Gerald Penn, Patricia Thaine, Pieter Luitjens	Expo Video
13:10 to 13:20	Propagation of Uncertainty in Non-Contact Neonatal Vital Sign Monitoring Daniel Kyrollos, James Green, Joann Harrold, Kim Greenwood, Randy Giffen, Samreen Aziz, Yasmina Souley Desso	Expo Video
13:20 to 13:30	A case Study of Phishing Kits Source Code Similarity Distribution Iosif-Viorel Onut, Ettore Merlo, Gregor Bochmann, Guy-Vincent Jourdan, Mathieu Margier	Expo Video
13:30 to 13:40	Identifying Vulnerable IoT Applications using Machine Learning Hajra Naeem, Manar H. Alalfi	Expo Video
13:40 to 13:50	An Adaptive Digital Twin platform for Longitudinal Healthcare Functions based on IBM Watson Technologies Hausi Muller, Luis F. Rivera, Norha M. Villegas	Expo Video
13:50 to 14:00	IBM Security Guardium Insights for IBM Cloud Pak for Security Ali Asghar, Daniel Nguyen, Devan Shah, James Goe, Jinzi Huang, Kenneth Cheung	Expo Video
14:00 to 15:30	Deploying a Collaborative Framework for Crowd Sourcing the Evaluation of AI Model Effectiveness Joshua Allard, Sarah Packowski	Workshop
15:30 to 16:00	Ask Me Anything session Jenn Collins	Networking
16:00 to 16:30	Using deep learning to unlock the secrets of gene expression Gracelyn Shi	Industry Talk
16:30 to 17:00	Is your AI learning? The magic of Compounding Learning Karthik Balakrishnan	Industry Talk
17:00 to 17:30	How to build a picks and shovels business in emerging technology David Wachsmann	Industry Talk
17:30 to 18:00	How-to for consumer XR in Sports Jason Yim	Industry Talk
End of program		

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Time	Title	Format
Tuesday, Nov 10 Privacy & Security in Boldness		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Investigation of Encrypted and Obfuscated Network Traffic Utilizing Machine Learning Kenneth Kent, Kay Boldt, Rainer Herpers	Paper Presentation
10:22 to 10:45	An Approach to Represent and Transform Application Specific Constraints for an Intrusion Detection System Ayesha Babar, Fahim Imam, Jose Fernandez, Thomas Dean	Paper Presentation
10:45 to 11:07	Blockchain-based Security for Heterogeneous IoT Systems Dwight Makaroff, Kale Yuzik	Paper Presentation
11:07 to 11:30	A Survey of Security Vulnerabilities in Ethereum Smart Contracts Manar H. Alalfi, Noama Fatima Samreen	Paper Presentation
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 13:10	Bytecode Coverage in MicroJIT: A Templated Just-in-Time Compiler for Constrained Environments Kenneth Kent, Eric Coffin, Harpreet Kaur, Julie Brown, Marius Pirvu, Scott Young	Expo Video
13:10 to 13:20	Boost your development velocity with Java microservices and Docker containers Eric Lau, Paul Gooderham, Trevor Crawford, Yk Chang	Expo Video
13:20 to 13:30	Optimizing JIT Service in the Cloud with Code Caching and Prefetching Alexey Khrabrov, Eyal De Lara, Marius Pirvu, Vijay Sundaresan	Expo Video
13:30 to 13:40	Efficient JIT Profiling for MicroJIT - A Template-Based Just-in-Time Compiler Kenneth Kent, Marius Pirvu, Scott Young	Expo Video
13:40 to 13:50	CAS 1063: Efficient Memory Footprint Reduction for Java Performance Alexandra Tsvetkova, Bojan Zheng, Marius Pirvu	Expo Video
13:50 to 14:00	A preliminary investigation into runtime fault identification and localization of Java-based cloud-native microservice applications Akramul Azim, Andrew Craik, Joseph Robertson, Md Nahid Ebna Hasan Khan, Ramiro Liscano, Yk Chang	Expo Video
14:00 to 14:22	Dynamic Reconfiguration of Consensus Protocol for IoT Data Registry on Blockchain Marios Fokaefs, Mohammadreza Rasolrovelcy	Paper Presentation
14:22 to 14:45	Parallel Window Method for Scalar Multiplication in Elliptic Curve Cryptography Christopher K. Anand, James You, Tanya Bouman, Yusra Irfan	Paper Presentation
14:45 to 15:00	Security in the Hands of Consumers: The Blockchain Approach Xiangnan He	Industry Talk
15:00 to 15:30	Using technology to help businesses reopen in the world of COVID-19 Dr. Peter Blecher, Sep Seyedi	Industry Talk
15:30 to 16:00	Mobility & Stretch - Full Body Routine Reinard Romero	Networking
16:00 to 18:00	Deep Dive - IBM Security Guardium Insights for IBM Cloud Pak for Security Ali Asghar, Daniel Nguyen, Devan Shah, James Goe, Jinzi Huang, Kenneth Cheung	Workshop
Wednesday, Nov 11 Cloud Computing in Boldness		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	The breathtaking power of data virtualization at scale Sam Lightstone, Robert Neugebauer	Industry Talk
10:30 to 11:00	Excelling your Data and AI challenge with Netezza for Cloud Pak for Data Aniket Kulkarni, Mirav Kapadia	Industry Talk
11:00 to 11:30	Improving Operational Scalability using Kubernetes Operators and Razez Continuous Deployment Model Arun Soundararaj, Saravanan Balasubramanian, Srinu Bhagavan	Industry Talk
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 13:10	Control Logic for Ahead of Time Compilation in Eclipse OMR Kenneth Kent, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Expo Video
13:10 to 13:20	Optimized arrayCopy Implementation for Improved Runtime Performance in Java and openJ9 on AArch64 Kenneth Kent, Daryl Maier, Gerhard W. Dueck, Kazuhiro Konno, Siri Sahithi Ponangi	Expo Video
13:20 to 13:30	Implementing & Evaluating the Performance of SIMD Support in Eclipse OpenJ9 on the AArch64 Platform Kenneth Kent, Daryl Maier, Kazuhiro Konno, Md. Alvee Noor	Expo Video
13:30 to 13:40	Extending OMR with Explicit and Automatic Runtime SIMD/GPU Parallelization Akihiro Hayashi, Gita Koblents, Jimmy Kwa, Kazuaki Ishizaki, Kazuhiro Konno, Tong Zhou, Vivek Sarkar	Expo Video
13:40 to 13:50	Ahead-of-Time Compilation of WebAssembly using Eclipse OMR Kenneth Kent, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck, Petar Jelenkovic	Expo Video
13:50 to 14:00	Persistent Storage for a WebAssembly Ahead-of-Time Compiler using Eclipse OMR Kenneth Kent, Damian Diago D'monte, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Expo Video
14:00 to 15:30	Teaching Your Monolith to Dance (Part 1) Leo Christy Jesuraj	Workshop
15:30 to 16:00	Mobility & Stretch - Assisted Stretch Jessica Hussey	Networking
16:00 to 18:00	Teaching Your Monolith to Dance (Part 2) Leo Christy Jesuraj	Workshop



Time	Title	Format
Thursday, Nov 12 Cloud Computing in Boldness		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Towards Topology Aware Elastic Job Scheduling with Deep Reinforcement Learning Aijun An, Bon Ryu, Junfeng Liu, Yonggang Hu, Zana Rashidi	Paper Presentation
10:22 to 10:45	Pred-Cache: A Predictive Caching Method in Database Systems Calisto Zuzarte, Mohammed Al Hamid, Omar El Zarif, Safwat Hassan, Vincent Corvinelli, Ying Zou	Paper Presentation
10:45 to 11:07	Software Evaluation Methodology of Node.js Parallelism under Variabilities in Scalable Systems Kenneth Kent, Jacob Baird, Maria Patrou, Michael Dawson	Paper Presentation
11:07 to 11:30	The Weakest Link: Revealing and Modeling the Architectural Patterns of Microservice Applications Kenneth Kent, Maria Patrou, Michael Gerndt, Panos Patros, Vladimir Podolskiy	Paper Presentation
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 13:10	Evaluation of machine learning algorithms for test case prioritization in continuous integration environments Akramul Azim, Kevin Smith, Md Asif Khan, Qasim Tauseef, Ramiro Liscano, Sylvian Garcon, Yk Chang	Expo Video
13:10 to 13:20	Reentrancy Vulnerability Identification in Ethereum Smart Contracts Manar H. Alalfi, Noama Fatima Samreen	Expo Video
13:20 to 13:30	An intelligent data-event profiling framework for streaming IoT data Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz	Expo Video
13:30 to 13:40	An Adapter for IBM Streams and Apache Spark to Facilitate Multi-level Data Analytics Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz, Yinchen Shi	Expo Video
13:40 to 13:50	A Self-Adaptive Blockchain tool to Balance Performance and resource Consumption in IoT applications Marios Fokaefs, Mohammadreza Rasolroveicy	Expo Video
13:50 to 14:00	IBM Cognos Analytics - All the Answers You Need in One Place Dennis Buttera, Heena Chhattani, Sam Wong	Expo Video
14:00 to 15:30	morPOP: A fast and granular agent-based model of COVID-19 to examine school mitigation strategies in Newfoundland & Labrador Asghar Mohammadi, Benjamin Tham, Dionne Aleman, Jordan Bradfield, Justin Semelhago, Paul Price, Proton Rahman, Randy Giffen, Sean Wagner	Workshop
15:30 to 16:00	Mobility & Stretch - Chair Amanda Firby	Networking
16:00 to 18:00	The 12th CASCON Workshop on Cloud Computing Joe Wigglesworth, Ian Watts, Marin Litoiu, Miguel Jimenez, Radu Mateescu, Yar Rouf, Nima Mahmoudi	Workshop
Friday, Nov 13 Cloud Computing in Boldness		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Kubernetes Operators: Autonomous SRE for your deployments as exemplified by Db2 on Cloud Andrew Hilden, Pandu Mutyala	Industry Talk
10:30 to 11:00	You created a managed kubernetes cluster on AWS/IKS/AKS - is that all ? Hrishikesh Kumar, Lakshman Sakaray, Srinu Bhagavan	Industry Talk
11:00 to 11:30	An aesthetic conjunction of cognitive and social computing in this AI habitat Shwetha Gopalakrishna, Srinu Bhagavan	Industry Talk
11:30 to 12:00	Band Show Suit N Tie	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 13:10	Automated Hot-Fixes for Misuses of Crypto APIs Andrew Craik, Karim Ali, Kristen Newbury	Expo Video
13:10 to 13:20	Evaluation of the Mono2Micro Microservice Extraction Tool Julia Rubin, Cindy High, Evelien Boerstra, Yk Chang	Expo Video
13:20 to 13:30	Code Analysis Tool for Microservice-based Applications Julia Rubin, Elson Yuen, Lirukshman Sundaralingam	Expo Video
13:30 to 13:40	A Language Server for the Eclipse MicroProfile Cloud Native Programming Model Eric Lau, Kathryn Kodama, Ryan Zegray, Yk Chang	Expo Video
13:40 to 13:50	REST APIs in Minutes with LoopBack Diana Lau, Dominique Emond, Janny Hou, Nora Abdelgadir	Expo Video
13:50 to 14:00	Why is installing applications on z/OS so hard ? The Journey of a z/OS System Programmer Today and Tomorrow David Budreau, Mike Fulton	Expo Video
14:00 to 15:30	Hybrid application management in CloudPak for Multicloud Management 2.0 Kuan Feng, Radu Mateescu	Workshop
15:30 to 16:00	Mobility & Stretch - Full body Jessica Hussey	Networking
16:00 to 16:30	Identity-based Security for Cloud Ben Huang	Industry Talk
16:30 to 17:00	Industrializing Software Development with Kubernetes & Anthos - A Google Perspective Neil Bunn	Industry Talk
17:00 to 17:30	How the cloud can be doubled overnight Antonio "pelle" Pellegrino	Industry Talk
17:30 to 18:00	Serverless Computing in Cloud Hitesh Mathpal	Industry Talk

Time	Title	Format
End of program		

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Time	Title	Format
Tuesday, Nov 10 Everything Data, IoT & Smart Cities in Creativity		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 11:30	How can a Smart City with Smart AI can fight back Covid19 Hina Sharma	Workshop
11:30 to 12:00	Mobility & Stretch - Towel workout Amanda Firby	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 14:00	Networking - Machine Learning & AI Today Kunal Sawarkar	Networking
14:00 to 14:30	Beyond tech: policy innovation and real estate development in the 'smart city' John Brodhead	Industry Talk
14:30 to 15:00	Data Quality Evaluation on ICP4D using IBM Watson Catalog Aditya Pareek, Namit Kabra	Industry Talk
15:00 to 15:30	Customizing Agricultural Practices to Maximize Crop Yield Smit Marvaniya	Industry Talk
15:30 to 16:00	Mobility & Stretch - Full Body Routine Reinard Romero	Networking
16:00 to 18:00	How has COVID-19 changed the development and adoption of data science across firms and industries? Aije Egwaikhide, Alex Ince-Cushman, Alvin Francis, Bob Fay, Denise Almeida, Kelly Lyons, Michelle Alexopoulos, Robert Frost, Rohan Alexander	Workshop
Wednesday, Nov 11 Everything Data, IoT & Smart Cities in Creativity		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	An intelligent data-event profiling framework for streaming IoT data Farhana Zulkernine, Pete Nicholls, Sazia Mahfuz	Industry Talk
10:30 to 11:00	Transforming industries for the next era using 5G Edge Computing Amandeep Singh, Mathews Thomas, Sharath Prasad, Utpal Mangla	Industry Talk
11:00 to 11:30	Financial Insights and Hyperpersonalization: Using APIs to Benefit Consumer Financial Wellness Christine Loreda, Sebastien Taveau	Industry Talk
11:30 to 12:00	Mobility & Stretch - Mat workout Amanda Firby	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 14:00	Networking - Bridging Research & Industry Mekki MacAulay	Networking
14:00 to 14:30	Understanding graph databases Dan Snoddy, Tom Kolanko	Industry Talk
14:30 to 15:00	Workflows for governance artifacts (Watson Knowledge Catalog on CP4D) Kavita Biswas, Namit Kabra	Industry Talk
15:00 to 15:30	Governing 'dark' data on CP4D using Next Generation Quick Scan Anil Kumar Thiramdas, Namit Kabra	Industry Talk
15:30 to 16:00	Mobility & Stretch - Assisted Stretch Jessica Hussey	Networking
16:00 to 18:00	Encouraging Technical Vitality When We All Work Remotely Joe Wigglesworth, Kelly Lyons, Krista Nolan, Lena Woolf, Nadine Nichols, Shilpa Menezes, Stephanie Hazlewood, Susanna Ting, Vesselin Ivanov	Workshop
Thursday, Nov 12 Everything Data, IoT & Smart Cities in Creativity		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Multiple pedestrian tracking based on modified mask R-Cnn and enhanced particle filter using an adaptive information driven motion model Aijun An, Amir Asif, Junfeng Liu, Mufleh Al-Shatnawi, Vida Movahedi, Yonggang Hu	Paper Presentation
10:22 to 10:45	Understanding Brain Dynamics for Color Perception Using Wearable EEG Headband Lauren E Sergio, Mahima Chaudhary, Marin Litoiu, Meaghan S Adams, Sumona Mukhopadhyay	Paper Presentation
10:45 to 11:07	Best Student Paper - Towards Interpretable and Maintainable Supervised Learning Using Shapley Values in Arrhythmia Sanjena Krishnakumar, Tamer Abdou	Paper Presentation
11:07 to 11:30	Efficient Location-Level Risk Analytics Neil Burke, Norbert Zeh, Oliver Baltzer	Paper Presentation
11:30 to 12:00	Strength & Stretch - Chair workout Jessica Hussey	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 14:00	Networking - Effects of COVID-19 on the tech world Mathew Mozaffari	Networking
14:00 to 14:15	Demystifying the brain with the Internet of Nano Things Anupra Chandran	Industry Talk
14:15 to 14:30	Smart Cities and a Sustainable Future Salma Rafi	Industry Talk
14:30 to 15:00	Reacting to an Event-Driven World Grace Jansen	Industry Talk

Time	Title	Format
15:00 to 15:30	Innovation at a Distance Joel Scott	Industry Talk
15:30 to 16:00	Mobility & Stretch - Chair Amanda Firby	Networking
16:00 to 18:00	IBM Cognos Analytics - Unearth hidden insights with a personalized analytics experience driven by AI Dennis Buttera	Workshop
Friday, Nov 13 Everything Data, IoT & Smart Cities in Creativity		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Covid Relief, Increasing ridership and building back trust to get riders back on board (FIRESIDE CHAT) David Winterstein, Marc Couturier	Industry Talk
10:30 to 11:00	Knowledge Graphs for Financial Institutions: Driving Insight and Business Value Paolo Delano	Industry Talk
11:00 to 11:30	Digital Environment Management' inclusive of 'Smart Citizen Engagement. Jeremy Parsons	Industry Talk
11:30 to 12:00	Mobility & Stretch - All standing Amanda Firby	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 14:00	Networking - Designing Future Technologies Omar Badreddin	Networking
14:00 to 15:30	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 1) Dennis Buttera	Workshop
15:30 to 16:00	Mobility & Stretch - Full body Jessica Hussey	Networking
16:00 to 18:00	What if we didn't have AutoAI: Advanced Machine Learning Models Using IBM Watson Studio Modeler Flows (Part 2) Dennis Buttera	Workshop
End of program		



Time	Title	Format
Tuesday, Nov 10 Quantum Computing in Determination		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Hybrid Quantum-Classical Problem Solving in the NISQ Era Hausi Muller, Mehdi Bozzo-Rey, Prashanti Priya Angara, Ulrike Stege	Paper Presentation
10:22 to 11:30	Quantum Computing: Synergies and Opportunities (Day 1 - Part 1) Hausi Muller, Mehdi Bozzo-Rey, Robert Loreda, Ulrike Stege	Workshop
11:30 to 12:00	Mobility & Stretch - Chair Amanda Firby	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 14:00	Conference Ask Me Anything Iosif-Viorel Onut	Networking
14:00 to 15:30	Quantum Computing: Synergies and Opportunities (Day 1 - Part 2) Hausi Muller, Mehdi Bozzo-Rey, Robert Loreda, Ulrike Stege	Workshop
15:30 to 16:00	Strength & Stretch - Chair workout Jessica Hussey	Networking
16:00 to 18:00	Quantum Computing: Synergies and Opportunities (Day 1 - Part 3) Hausi Muller, Mehdi Bozzo-Rey, Robert Loreda, Ulrike Stege	Workshop
Wednesday, Nov 11 Quantum Computing in Determination		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	BCIs and The Law of Accelerating Returns Shifra Khan	Industry Talk
10:30 to 10:45	Entering the NISQ Era of Quantum Computing – and the problems with Quantum Compiling Evan Lin	Industry Talk
10:45 to 11:00	Quantifying Climate Action Richa Pandya	Industry Talk
11:00 to 11:15	Quantum x Drug Development Siyana Lalani	Industry Talk
11:15 to 11:30	Post-Quantum Cryptography: Data Security in a Quantum World Anisha Musti	Industry Talk
11:30 to 12:00	Mobility & Stretch - Full body Jessica Hussey	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 13:25	Most Influential Paper from 2010 - Improving program navigation with an active help system Gail Murphy, Petcharat Viriyakattiyaporn	Networking
13:25 to 14:00	Awards - MIP and Paper Awards Julia Rubin	Networking
14:00 to 15:30	Quantum Computing: Synergies and Opportunities (Day 2 - Part 1) Hausi Muller, Mehdi Bozzo-Rey, Robert Loreda, Ulrike Stege	Workshop
15:30 to 16:00	Mobility & Stretch - All standing Amanda Firby	Networking
16:00 to 18:00	Quantum Computing: Synergies and Opportunities (Day 2 - Part 2) Hausi Muller, Mehdi Bozzo-Rey, Robert Loreda, Ulrike Stege	Workshop
Thursday, Nov 12 Privacy & Security in Determination		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	A Practical Guide to Privacy-Preserving Machine Learning Gerald Penn, Patricia Thaine	Industry Talk
10:30 to 11:00	Data Security Next Generation: Journey & Vision Devan Shah	Industry Talk
11:00 to 11:30	Empower through design: making technology inherently safer Lesley Nuttall, Henry Nash	Industry Talk
11:30 to 12:00	Mobility & Stretch - Full Body Routine Reinard Romero	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 14:00	Awards - CAS Awards Marcellus Mindel	Networking
14:00 to 14:30	Automotive Cybersecurity: Opportunities and Challenges Ikjot Saini	Industry Talk
14:30 to 15:00	Trusted AI - The Good, the Bad and the Ugly James Stewart	Industry Talk
15:00 to 15:30	Privacy by Design made simple for technologists, data scientists and system engineers Cat Coode, Robin Gould-Soil	Industry Talk
15:30 to 16:00	Mobility & Stretch - Towel workout Amanda Firby	Networking
16:00 to 16:30	Technology for Registering, Encrypting, Owning, Sharing and Investing Data About You By Others Peter Pennfather, West Suhanic	Industry Talk
16:30 to 17:00	The future of Contact less payment Cesar Bravo	Industry Talk

Time	Title	Format
17:00 to 17:30	Leveraging Cloud Object Storage to provide Multi-Tenant Security for Microservices John Rofrano, Anu Ramamoorthy	Industry Talk
17:30 to 17:45	The Next Generation of Security - Our Information is Under Attack Aryaan Bhimani	Industry Talk
17:45 to 18:00	Securing our Future with Unconventional Paradigms Okezie Bell	Industry Talk
Friday, Nov 13 Compilers, Languages, Runtimes in Determination		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Insights into WebAssembly: Compilation Performance and Shared Code Caching in Node.js Kenneth Kent, Michael Dawson, Panos Patros, Tobias Nießen	Paper Presentation
10:22 to 10:45	An ELF-based Storage Option for the Eclipse OMR Ahead-of-Time Compiler Kenneth Kent, Damian Diago D'monte, Daryl Maier, Georgiy Krylov, Gerhard W. Dueck	Paper Presentation
10:45 to 11:07	MicroJIT: A Case for Templated Just-in-Time Compilation in Constrained Environments Kenneth Kent, Eric Coffin, Harpreet Kaur, Julie Brown, Marius Pirvu, Scott Young	Paper Presentation
11:07 to 11:30	Designing and Evaluating New Instructions that Accelerate Sigmoid-Based Machine Learning Christopher K. Anand, Curtis D'Alves, Lucas Dutton, Robert Enenkel, Wolfram Kaht	Paper Presentation
11:30 to 12:00	Mobility & Stretch - Assisted Stretch Jessica Hussey	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 14:00	Networking - CAS Students Ladan Tahvildari	Networking
14:00 to 15:30	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 1) Daryl Maier, David Bremner, Vijay Sundaresan	Workshop
15:30 to 16:00	Mobility & Stretch - Mat workout Amanda Firby	Networking
16:00 to 18:00	4th Workshop on Advances in Open Runtimes and Cloud Performance Technologies (Part 2) Daryl Maier, David Bremner, Vijay Sundaresan	Workshop
End of program		



Time	Title	Format
Tuesday, Nov 10 Software Engineering in Empathy		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Quality, Scale and Intelligence - Pushing the SDLC to the next level. Kevin Smith	Industry Talk
10:30 to 11:00	Adopt to Win : Odyssey of DevOps Shwetha Gopalakrishna, Srinii Bhagavan	Industry Talk
11:00 to 11:30	How Live Video Commerce is Transforming Retail Maggie Adhami-Boynon, Rebecca Gill	Industry Talk
11:30 to 12:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 14:00	Zumba Sarah Cecereu	Networking
14:00 to 15:30	DevOps Workshop for Software Engineers (Part 1) John Rofrano	Workshop
15:30 to 16:00	Chair Yoga Leyette Ross	Networking
16:00 to 18:00	DevOps Workshop for Software Engineers (Part 2) John Rofrano	Workshop
Wednesday, Nov 11 Software Engineering in Empathy		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:22	Report on Evaluation Experiments Using Different Machine Learning Techniques for Defect Prediction Alberto Giammaria, Chris Brealey, Kostas Kontogiannis, Marios-Stavros Grigoriou	Paper Presentation
10:22 to 10:45	Moving from Cross-Project Defect Prediction to Heterogeneous Defect Prediction: A Partial Replication Study Ayse Basar, Hadi Jahanshahi, Mucahit Cevik	Paper Presentation
10:45 to 11:07	Identifying External Cross-References Using Natural Language Processing Elham Rahmani, Ibtihal Noorwali, Nazim Madhavji	Paper Presentation
11:07 to 11:30	Time Series Sampling for Probabilistic Forecasting Merve Bodur, Mucahit Cevik, Nicholas Prayogo	Paper Presentation
11:30 to 12:00	Chair Yoga Leyette Ross	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 14:00	Zumba Sarah Cecereu	Networking
14:00 to 15:30	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 1) Allen Chan, Andrés Jiménez Ramírez, Arik Senderovich, Claudio Di Ciccio, Eric Yu, Hajo Reijers, Sebastian Carbajales, Tathagata Chakraborti	Workshop
15:30 to 16:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
16:00 to 18:00	Automation, Control, and Analysis of Knowledge-intensive Processes (Part 2) Allen Chan, Andrés Jiménez Ramírez, Arik Senderovich, Claudio Di Ciccio, Eric Yu, Hajo Reijers, Sebastian Carbajales, Tathagata Chakraborti	Workshop
Thursday, Nov 12 Software Engineering in Empathy		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 11:30	Microservices made easy with MicroProfile, OpenJ9, Open Liberty and OpenShift Jamie Coleman	Workshop
11:30 to 12:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 14:00	Zumba Sarah Cecereu	Networking
14:00 to 14:30	Why AI needs to help with toxicity in online spaces Stephanie Harvey	Industry Talk
14:30 to 15:00	Building my own media platform Shinjini Das	Industry Talk
15:00 to 15:15	Exploring the Frontiers of Psychiatry with AI Om Agarwal	Industry Talk
15:15 to 15:30	Science Fiction is Now a Reality: Brain-Computer Interfaces Soumiya Sivasathyanathan	Industry Talk
15:30 to 16:00	Chair Yoga Leyette Ross	Networking
16:00 to 18:00	Jumpstart your application into a reactive event-centric world Gilbert Kwan, Grace Jansen, Meswan Bhaugeerutty, Yk Chang	Workshop
Friday, Nov 13 Software Engineering in Empathy		



Time	Title	Format
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 11:30	Full Stack Swift Daniel Manda	Workshop
11:30 to 12:00	Chair Yoga Leyette Ross	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 14:00	Zumba Sarah Cecereu	Networking
14:00 to 15:30	Enabling Transformation at Scale through Nurturing Engineering Culture and Applying Smart Engineering Practices Bob Blainey, Fatima Hussain, Salah Sharieh	Workshop
15:30 to 16:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
16:00 to 16:30	COVID-19 has created a new digital world Mathew Mozaffari	Industry Talk
16:30 to 17:00	Avoiding Nightmare Headline with Software Quality Engineering Sammy Kolluru	Industry Talk
17:00 to 17:30	Engineering a decentralized platform Shaily Srivastava	Industry Talk
17:30 to 17:45	The Rise of Computer Vision: How It Can Change Our Approach to Disease Diagnosis Peter Zhu	Industry Talk
17:45 to 18:00	Brain Computer Interface: The Next Frontier of Technology Mikael Haji	Industry Talk
End of program		



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Time	Title	Format
Tuesday, Nov 10 Systems & Innovation in Foresight		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Blockchain technology, a retrospective look and future opportunities Mohamed EL KANDRI	Industry Talk
10:30 to 11:00	How to make an immersive 3D experience without a single line of code Alan Smithson	Industry Talk
11:00 to 11:30	Hybrid Businesses are The Future Diana Goodwin	Industry Talk
11:30 to 12:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
12:00 to 13:00	Keynote by Andrew Pelling - Harnessing Curiosity Andrew Pelling	Keynote
13:00 to 14:00	Yoga Flow Twists Leyette Ross	Networking
14:00 to 15:30	Novel hardware & software design for mathematical and AI acceleration (Part 1) Abu Sebastian, Christopher K. Anand, Curtis D'Alves, Jose Moreira, Nhan Thai, Robert Enenkel, Silvia M Mueller	Workshop
15:30 to 16:00	Chair Yoga Leyette Ross	Networking
16:00 to 18:00	Novel hardware & software design for mathematical and AI acceleration (Part 2) Abu Sebastian, Christopher K. Anand, Curtis D'Alves, Jose Moreira, Nhan Thai, Robert Enenkel, Silvia M Mueller	Workshop
Wednesday, Nov 11 Systems & Innovation in Foresight		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	Applying Open Source Strategy Research to Strategic Management Practice - The case of IBM Mekki MacAulay	Industry Talk
10:30 to 11:00	Precision Cities - Responding Precisely to Human Needs Sierra Woods	Industry Talk
11:00 to 11:30	Scaling Spark to thousands of hosts with IBM Cloud Pak for Data and IBM Spectrum Conductor Kevin Doyle	Industry Talk
11:30 to 12:00	Chair Yoga Leyette Ross	Networking
12:00 to 13:00	Keynote by Alexandre Blais - Quantum Computing With Superconducting Circuits: Opportunities and Challenges Alexandre Blais	Keynote
13:00 to 14:00	Yoga Flow Shoulders Leyette Ross	Networking
14:00 to 15:30	Innovation in modernizing the Z workloads Nitika Sharma, Stephanie Kuan, Steve Shao	Workshop
15:30 to 16:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
16:00 to 18:00	Node-RED on IBM Cloud: Earthquake monitoring system Ali Hamdy	Workshop
Thursday, Nov 12 Systems & Innovation in Foresight		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	High-performance matrix math in IBM POWER processors Brian Thompto, Jose Moreira, Silvia M Mueller	Industry Talk
10:30 to 11:00	Designing a simplistic TV experience: A case study in UX Research and Design Aneeqa Ishaq	Industry Talk
11:00 to 11:30	Catasrophe Brings Opportunity - WealthTech is poised for a boom James Rockwood	Industry Talk
11:30 to 12:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
12:00 to 13:00	Keynote by Nicolas Papernot - What does it mean for ML to be trustworthy? Nicolas Papernot	Keynote
13:00 to 14:00	Yoga Flow for Hips Leyette Ross	Networking
14:00 to 14:30	Integrating IBM Db2 with mobile technology Dan Snoddy, Tom Kolanko	Industry Talk
14:30 to 15:00	Zowe: Modernizing the Mainframe Carson Cook	Industry Talk
15:00 to 15:30	Turning Moonshots Into Earthshots Technologies' Role In Achieving The Sustainable Development Goals Adara Hagman, Riya Mehta	Industry Talk
15:30 to 16:00	Chair Yoga Leyette Ross	Networking
16:00 to 16:30	7 Secrets of an Excellence-Driven Tech Organisation Perrine Farque	Industry Talk
16:30 to 17:00	Innovation in Fare Payment & PRESTO's adaptability to the current COVID Annalise Czemy	Industry Talk
17:00 to 17:30	What's Now / What's Next - An analysis of Twitter conversation data that uncover several behaviours and need states Andrea MacDonald	Industry Talk



Time	Title	Format
17:30 to 18:00	The Future of Work: A One-Degree Shift Overview Eric Termuende	Industry Talk
Friday, Nov 13 Systems & Innovation in Foresight		
09:30 to 10:00	Plan your day CASCON x EVOKE 2020	Networking
10:00 to 10:30	How to Hire and Build Your Company Culture During a Pandemic Mandy Gilbert	Industry Talk
10:30 to 11:00	Innovative Education for Industry 4.0: How Blended Learning builds skills for student success Christian Bseliss, Samantha Smith	Industry Talk
11:00 to 11:30	The transition from general purpose to purpose-built blockchains Thomas Borrel	Industry Talk
11:30 to 12:00	Chair Yoga Leyette Ross	Networking
12:00 to 13:00	Keynote by Niina Haiminen - Microbiome informatics for better health and safer food Niina Haiminen	Keynote
13:00 to 14:00	Yoga Full Body Flow Leyette Ross	Networking
14:00 to 15:30	Accelerate your digital transformation through business rule discovery and insightful mainframe application analysis (Part 1) Eric Peters, Milandeep Shergill	Workshop
15:30 to 16:00	Yoga - Stress Release and Meditation Leyette Ross	Networking
16:00 to 18:00	Accelerate your digital transformation through business rule discovery and insightful mainframe application analysis (Part 2) Eric Peters, Milandeep Shergill	Workshop
End of program		

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