

Save the Date

MEC20

Join us in Fredericton, New Brunswick (Canada)
August 10-13, 2020

MEC is a triennial symposium that will be of special interest to those who work in the fields of upper limb prosthetics and myoelectric control (including upper and lower limb). As in previous years, it will be hosted by the University of New Brunswick's **Institute of Biomedical Engineering**, a research institute recognized worldwide for its pioneering work in myoelectric controls.

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Institute of Biomedical Engineering



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As in previous years, courses and workshops geared towards clinicians, engineers, and researchers will be offered. Information will be posted on our website as the schedule is developed.

Additional information may be found at

www.unb.ca/conferences/mec



#mec20



/unbibme

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University of New Brunswick
Canada

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Keynote Speakers

Matthew Ames, BE (Env), MBA (Tech Mgt), was 39 years old when what started as a sore throat resulted in the loss of all four of his limbs (both above elbow above knee). Matthew has a unique mix of professional and personal experience. With a grounding of almost 20 years in the energy and resources industry, he has found innovative ways to apply his knowledge for maximising prosthetic use to achieve his goals. Matthew is involved in a variety of endeavours, serving on boards and steering committees for a number of organisations, including Bionics Queensland, State and Federal Governments and not-for-profit organisations.

Dr. Arun Jayaraman is an Associate Professor of Physical Medicine & Rehabilitation, Physical Therapy & Human Movement Sciences, and Medical Social Sciences at Northwestern University's Medical School. His work primarily focuses on developing and executing both investigator-initiated and industry-sponsored research in prosthetics, orthotics, rehabilitation robotics, and other assistive and adaptive technologies to treat physical disability. He conducts all his outcomes research using advanced wearable patient monitoring wireless sensors and novel machine learning techniques, in addition to the traditional performance-based and patient-reported outcomes.

Max Ortiz Catalán, Ph.D. is an Associate Professor at the Department of Electrical Engineering, Chalmers University of Technology, Sweden, where he founded and currently leads the Biomechanics and Neurorehabilitation Laboratory ([@ChalmersBNL](https://www.chalmers.se/en/Research/ResearchGroups/Max-Ortiz-Catalan)). His research includes bioelectric signals acquisition electronics (analog and digital); bioelectric signal processing and machine learning algorithms for decoding motor volition and control; neuromuscular interfaces; neurostimulation for sensory feedback; bone-anchored prostheses and osseointegration; and, virtual and augmented reality for neuromuscular rehabilitation and the treatment of phantom limb pain.