

In the space below, please provide a statement (approximately 300-words) that will be helpful to the electorate in their selection. This page will be posted to the University Secretariat website exactly as submitted by the nominee; do not submit personal information on this page (i.e., address, telephone number, e-mail address, photograph, etc.). Please limit your statement to this page only.

**Name of Nominee: \_**Dylan Kobsar

Current Status at McMaster University:

* Associate Professor, Department of Kinesiology, Faculty of Science
* Associate Chair (Research), Department of Kinesiology
* Associate Director, Smart Mobility for the Aging Population (sMAP)
* Associate Member, Department of Biomedical Engineering
* Associate Member, Department of Computing and Software

Educational Background:

* Postdoctoral Fellow, Medicine, University of British Columbia
* Postdoctoral Fellow, Computer Science/Kinesiology, University of Calgary
* PhD, Kinesiology (Biomechanics), University of Calgary
* MSc/BKin (Honours), Kinesiology, University of Regina

Scholarly and Professional Achievements:

* Research Funding: $649,500 as Principal Investigator; $2.5M total across collaborative projects
* Publications: 38 peer-reviewed journal articles, 18 journal abstracts, and extensive conference proceedings
* Supervision: 10+ graduate students across Kinesiology, Biomedical Engineering
* Grant Reviewer: CIHR, NSERC, Mitacs, and Canadian Foundation for Innovation

Administrative Responsibilities & Service to McMaster:

* McMaster Research Ethics Board Committee Member (2022-Present)
* Associate Chair (Research), Department of Kinesiology (2024-Present)
* Interim Director, sMAP CREATE Graduate Training Program (2024-Present)
* Executive Committee Member, Smart Mobility for the Aging Population (2021-Present)
* Equity, Diversity, and Inclusivity (EDI) Co-Chair, Department of Kinesiology (2022-2024)
* Conference Session Chair (Wearable Sensors & IoT), Canadian Society of Biomechanics (2024)

Research & Teaching Interests:

My research program focuses on innovative motion capture technologies, wearable sensors, and machine learning applications for human movement analysis, particularly in knee osteoarthritis, sports biomechanics, and rehabilitation technologies. My lab collaborates with orthopedic surgeons, data scientists, and engineers to integrate biomechanical and machine learning techniques into clinical decision-making and personalized medicine.

In teaching, I design courses that bridge biomechanics and engineering concepts, offering research-integrated learning experiences that attract both science and engineering students. I am committed to fostering interdisciplinary training opportunities and helping students develop practical skills at the intersection of biomechanics, rehabilitation engineering, and data analytics.

Rationale for Nomination:

As Engineering Representative, I will leverage my multidisciplinary expertise to strengthen collaborations between Science and Engineering, advocate for shared research priorities, and enhance interdisciplinary learning and research opportunities for students and faculty. As an Associate Member of Biomedical Engineering and Computing and Software, I actively engage with faculty and students, attend BME graduate meetings, and have supervised and graduated BME students. My leadership in Smart Mobility for the Aging Population (sMAP), an NSERC-funded interdisciplinary training program, further demonstrates my commitment to fostering research and training at the intersection of science and engineering. I look forward to advancing cross-faculty collaboration and innovation at McMaster.