

2025 CHAMPION OF ENGINEERING EDUCATION AWARD

Danny D. Mann, Ph.D., P.Eng.



Professor Danny Mann grew up in western Manitoba where he attended school in Roblin and was introduced to the profession of agriculture on the family farm. He received a B.Sc. degree in Agricultural Engineering (University of Manitoba, 1992), an M.Sc. degree in Biosystems Engineering (University of Manitoba, 1995), and a Ph.D. in Biosystems Engineering (University of Manitoba, 1998). Danny joined the Department of Biosystems Engineering in 1998 as an Assistant Professor, was promoted to the rank of Associate Professor in 2004, and was promoted to the rank of Professor in 2008. Administrative appointments include two years as Associate Head (2006-2008), one year as Acting Head (2008-2009), and Head since 2009. Danny has established an innovative research program that integrates human factors engineering with the design of autonomous agricultural machines.

Danny is a prior recipient of the CSBE Young Engineer of the Year Award (2006) and the CSBE Glen Downing Award (2011) in recognition of outstanding work in the area of power and machinery. Danny was named a CSBE Fellow in 2019 and received the CSBE Maple Leaf Award in 2022. In 2021, Danny was one of the inaugural recipients of the Biosystems Engineering Alumni of Influence Awards established to commemorate the 50th anniversary of the first Bachelor's degree in Agricultural Engineering being awarded by the University of Manitoba.

Danny is a long-time proponent of engineering education and has been a member of the Canadian Engineering Education Association since 2011. He contributed to curriculum development at undergraduate and graduate levels, and in 2020 worked with Price Faculty leadership to develop a Graduate Specialization in Engineering Education (GSEE) for doctoral students in Biosystems Engineering. The GSEE program has since expanded to M.Sc. students and remains the only graduate-level engineering education credential at the University of Manitoba. In 2020, Danny served as Editor for a special issue of the Canadian Biosystems Engineering journal on engineering education. He has contributed to the literature through 6 refereed publications, 5 refereed conference proceedings, 12 unrefereed proceedings, and 3 conference papers.

Danny has been recognized for both his teaching and his contributions to engineering education. These recognitions include the Biosystems Engineering Graduating Class Award for Excellence in Teaching on two occasions (2010 & 2019), the Graduate Student's Association Award for Excellence in Teaching (2007), the University of Manitoba Merit Award for Teaching and Service (2007), and the Excellence in Engineering Education Award from the Price Faculty of Engineering (2020). Such consistent recognition throughout the decades reflects both the sustained impact of his work and the esteem in which he is held by students and peers.

In recognition of his leadership and contribution for engineering education, Engineers Geoscientists Manitoba, together with the Price Faculty of Engineering at the University of Manitoba, are pleased to present the 2025 Champion of Engineering Education Award to Danny Mann, Ph.D., P.Eng.