2018 Early Achievement Award

Dario Schor, P.Eng.

Dario Schor, P.Eng., received his B.Sc. and M.Sc. in Computer Engineering from the University of Manitoba in 2008 and 2013 respectively. He continued on to complete the Space Studies Program at the International Space University in France during the summer of 2013 and is currently pursuing his Ph.D. in Aerospace Sciences from the University of Dakota as a distance student.

While studying overseas, Dario served as the Software and Electrical Lead on research performed to study the effects of inverted vision in a parabolic flight, funded by the European Space Agency. He is currently researching methodologies for 'trust-calibration' when dealing with autonomous life support systems in space missions beyond low-Earth-orbit. These accomplishments, along with previous projects, have resulted in two journal papers, more than five magazine articles and over 45 conference papers.

Dario has been working as a Software Engineer for Magellan Aerospace since 2013 and has recently been promoted to be the Software Lead for the Radarsat Constellation Mission. He is responsible for overseeing the design, implementation, testing, documentation, and scheduling of the bus flight software and the ground tools. The satellites, which are due to be launched in November of 2018, will continue to provide synthetic aperture radar images to support maritime surveillance, disaster management, and ecosystem monitoring for Canada.

Dario is an active promoter of careers in engineering, and he frequently shares his research, work experience, knowledge, and enthusiasm through engaging presentations at the Verna Kirkness Program, Rotary Career Symposium, the University of Manitoba Space Camp, and various high schools across the city. He has served as a judge for various local and international high school and post-secondary competitions. He has also given many student tours of Magellan's Advanced Satellite Integration Facility and enjoys mentoring co-op students within the department. Since 2011, Dario, along with other Institute of Electrical and Electronics Engineers (IEEE) volunteers, has developed and delivered over 60 workshops in embedded systems, space systems, and amateur radio at various high schools, the University of Manitoba, Red River College, and the Winnipeg Public Library.

Dario is also a regular volunteer in the community with the Amateur Radio Community, serving as a radio operator for marathons and other events. He has also been a lead organizer for the NASA Space Apps Challenge events and has served as a Technical Director for the KlezFest Music Festival, as well as many high school and elementary theatre productions.

In the future, Dario looks forward to engaging in academic-industry collaborations that support the development of Canada's role in space exploration. He thanks his parents, Ana and Carlos, and sister Maia for being an integral part of his life, and his wife Eryn for all her support through his many endeavours. He is also grateful to his mentor, Professor Witold Kinsner, from University of Manitoba, for encouraging him to take on new challenges.

In recognition of exceptional achievement at the start of his career, Engineers Geoscientists Manitoba is pleased to present the 2018 Early Achievement Award to Dario Schor.