Making Robust Pipe Inspection Robots for the Mining Industry
Experiences from Maquintel, a Chilean Startup Company

Prof. Juan Cristóbal Zagal, PhD
University of Chile

Friday, August 18, 2017, 3 - 4pm
University of Alberta, 8-207 Donadeo ICE Building
Patrick D Daniel / Enbridge Conference Room

The CCWJ is proud to host a seminar on developing and using robots for pipeline inspection. Prof. Zagal will describe the adventure of creating robots and instruments for the automated inspection and monitoring of pipes, tailing channels, and other critical assets of the mining industry. The machines developed at Maquintel have demonstrated the ability of carrying out automated inspection of the world’s largest tailing channel (87km). The seminar will also provide an introduction on how rapid prototyping tools can be used effectively for making reliable machines when combined with field experience.

The presentation will be followed by a Q&A session.

Prof. Juan Cristóbal Zagal (MSc, PhD) is carrying out research in robotics, soft robotics and 3D printing. He leads a Fab Lab and a robotics laboratory at the University of Chile, in Santiago, Chile. He has served as a reviewer for more than twenty academic journals in robotics, automation and manufacturing. Before joining U. of Chile he worked on institutions like Cornell University (Post-doctoral Fellow), and the Royal Institute of Technology (researcher engineer). He is also the founder of Maquintel (www.maquintel.com), a startup company in robotics.

Please RSVP and send any questions about the seminar to ccwj@ualberta.ca.