

Ph.D. opening in Computer Vision and 3-D Geometry Acquisition

Computer Vision and Systems Lab
Electrical and Computer Engineering Department
Laval University, Quebec City, Canada

Project description This Ph.D. project will explore how multi-view stereo techniques can be combined with high-resolution 3-D scanners. The project will be done in the context of the NSERC/Creaform industrial research chair on 3D scanning: CREATION 3D, and will be supervised by prof. Jean-François Lalonde at the Computer Vision and Systems Lab of Laval University. Candidates should have an M.S. or equivalent in electrical or computer engineering or related fields, and have a strong background in computer vision, 3-D data acquisition and modeling, and/or machine learning. Funding opportunities are available.

Interested? Please contact Jean-François Lalonde directly at jflalonde@gel.ulaval.ca for more information!

About the project supervisor Jean-François Lalonde obtained his Ph.D. in 2011 from the Robotics Institute, in the School of Computer Science at Carnegie Mellon University in Pittsburgh, USA. He then spent a year as a computer vision scientist at Tandent, Inc., followed by another year as a post-doctoral researcher at Disney Research, Pittsburgh. He is now assistant professor in the Electrical and Computer Engineering Department of Laval University, Quebec. His research interests are in computer vision and computer graphics, especially at the intersection of the two. You can find more information about his work on his website at <http://www.gel.ulaval.ca/~jflalonde>.

About the Computer Vision and Systems Lab (CVSL) The CVSL, in the Department of Electrical and Computer Engineering at Laval University, hosts the activities of 8 professors and over 100 graduate students and research professionals, working together on the central theme of computer vision and its applications. The CVSL provides a dynamic and stimulating environment with an outstanding infrastructure complete with a CAVE room, mocap system, 3-D scanners, a direct access to high-performance computing facilities, etc. Find more information on the lab webpage at <http://vision.gel.ulaval.ca/en>.

About Laval University More than a school, Laval University is an entire community in the heart of Quebec City, Canada, a complete university recognized for its leadership and its culture of excellence both in teaching and research.