Teaching Machines to See

René Vidal
Professor, Department of Biomedical Engineering Johns Hopkins University

Monday, May 2nd, 2016
11:00AM – Noon, Reception to follow
Hariri Institute for Computing
111 Cummington Mall, Room 180

With apparently no effort, humans can distinguish a wide variety of objects and actions in complex scenes. In contrast, automatic scene interpretation is exceedingly difficult. Professor Vidal will describe his work developing mathematical models that enable computers to see, analyze, and interpret images, videos, and biomedical data.

Professor Vidal received his B.S. degree in Electrical Engineering (highest honors) from the Pontificia Universidad Catolica de Chile in 1997 and his M.S. and Ph.D. degrees in Electrical Engineering and Computer Sciences from the University of California at Berkeley in 2000 and 2003, respectively. He was a research fellow at the National ICT Australia in 2003 and has been a faculty member in the Department of Biomedical Engineering and the Center for Imaging Science of The Johns Hopkins University since 2004. He has held several visiting faculty positions at Stanford, INRIA/ENS Paris, the Catholic University of Chile, Universite Henri Poincare, and the Australian National University. Dr. Vidal was co-editor (with Anders Heyden and Yi Ma) of the book "Dynamical Vision" and has co-authored more than 180 articles in biomedical image analysis, computer vision, machine learning, hybrid systems, robotics and signal processing. Dr. Vidal is or has been Associate Editor of Medical Image Analysis, the IEEE Transactions on Pattern Analysis and Machine Intelligence, the SIAM Journal on Imaging Sciences and the Journal of Mathematical Imaging and Vision, and guest editor of Signal Processing Magazine. He is or has been program chair for ICCV 2015, CVPR 2014, WMVC 2009, and PSIVT 2007. He was area chair for ICCV 2013, CVPR 2013, ICCV 2011, ICCV 2007 and CVPR 2005.

About the DSI Distinguished Lecture Series:
Launched as part of the Data Science Initiative at the Hariri Institute for Computing, the Distinguished Lecture Series brings prominent scholars to Boston University to share their experiences and perspectives on data science as it is manifested through or enabled by their research. Lectures in this series should be of interest to a broad audience as they are meant to promote the exciting advances in the methodologies that enable big-data-driven research in a multitude of disciplines.