

PI 2: René Vidal

PERSONAL INFORMATION

Family name, First name: Vidal, René
Researcher unique identifier: ORCID, A-3367-2010
Date of birth: 05/19/1974
Nationality: Chilean
URL for web site: <http://cis.jhu.edu/~rvidal/>

EDUCATION

2003 Ph.D, University of California Berkeley, Electrical Engineering and Computer Science, USA
2000 M.S., University of California Berkeley, Electrical Engineering and Computer Science, USA
1997 B.S., Pontificia Universidad Católica de Chile, Engineering Sciences (highest honors), Chile

CURRENT POSITION(S)

2017-present Director, Mathematical Institute for Data Science, Johns Hopkins University, USA.
2015-present Professor, Department of Biomedical Engineering, Johns Hopkins University, USA.
2004-present Faculty Member, Mathematical Institute for Data Science (MINDS), Center for Imaging Science (CIS), Institute for Computational Medicine (ICM), Laboratory for Computational Sensing and Robotics (LCSR), Johns Hopkins University, USA.

PREVIOUS POSITIONS

2010-2015 Associate Professor, Department of Biomedical Engineering, Johns Hopkins University, USA.
2004-2010 Assistant Professor, Department of Biomedical Engineering, Johns Hopkins University, USA.

FELLOWSHIPS AND AWARDS

2017 Jean D'Alembert Faculty Fellowship, Université Paris-Saclay, France.
2016 APR Fellow, Johns Hopkins University, USA.
2014 IEEE Computer Society Fellow, Johns Hopkins University, USA.
2009 Sloan Research Fellow, Johns Hopkins University, USA.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2004 – Present 10 Postdocs/18 PhD/5 Master Students/25 Undergraduate Students..

TEACHING ACTIVITIES (if applicable)

Fall 2018- Mathematics of Deep Learning, Biomedical Data Science, Johns Hopkins University, USA
Fall 2017- Unsupervised Learning, Université Paris-Saclay, France.
Fall 2006, Spring 2010, Spring 2014, Spring 2016, Spring 2017- Unsupervised Learning, Johns Hopkins University, USA.
Spring 2008, Fall 2013, Fall 2014- Computer Vision, Johns Hopkins University, USA.
Fall 2006-2011, Fall 2013-present- Freshmen Modeling and Design, Johns Hopkins University, USA.
Spring 2006-2011- Biomedical Signal, Systems and Control, Johns Hopkins University, USA.

ORGANISATION OF SCIENTIFIC MEETINGS (if applicable)

2017 Mathematical Institute for Data Science (MINDS) Symposium, Johns Hopkins University, USA.

- 2017 Tutorial on the Mathematics of Deep Learning, IEEE Conference on Computer Vision and Pattern Recognition, Honolulu, HI, USA.
- 2016 Tutorial on Low-Rank and Sparse Modeling for Visual Analytics, IEEE Conference on Computer Vision and Pattern Recognition, Las Vegas, NV, USA.
- 2016 Workshop on the Theory of Deep Learning, International Conference on Machine Learning, New York, USA.
- 2015 Tutorial on Learning Multi-Subspaces in Computer Vision, IEEE Conference on Computer Vision and Pattern Recognition, Boston, MA, USA.

INSTITUTIONAL RESPONSIBILITIES

- 2018 Faculty Search Committee, Department of Biomedical Engineering, Johns Hopkins University, USA.
- 2017- Present Executive Committee, Department of Biomedical Engineering, Johns Hopkins University, USA.
- 2016- Present Advisor, Society of Hispanic Engineers and Scientists (SHPE).
- 2016- Present Mentor, STEM Achievement in Baltimore Elementary Schools (SABES) program, Johns Hopkins University, USA
- 2015 Women in Science and Engineering (WISE) program, Johns Hopkins University, USA.
- 2011- 2014 Board of Review, Academic Council, Johns Hopkins University, USA.
- 2008 – 2011 Advisory Board Tau-Beta-Pi Honor Society, Hopkins Chapter, Johns Hopkins University, USA.

REVIEWING ACTIVITIES (if applicable)

Journal Reviewer: Journal of Machine Learning Research, International Journal on Pattern Recognition and Artificial Intelligence, Data and Knowledge Engineering, Computational Statistics and Data Analysis, International Journal of Computer Vision, IEEE Transactions on Pattern Analysis and Machine Intelligence, Computer Vision and Image Understanding, Journal of Mathematical Imaging and Vision, Journal of Electronic Imaging, IEEE Transactions on Medical Imaging, PLoS Computational Biology, Automatica, IEEE Transaction on Control Applications and Systems, Asian Journal of Control, Robotics and Autonomous Systems, IEEE Transactions on Sensor Networks, IEEE Transactions on Signal Processing, Multidimensional Systems and Signal Processing, Journal of Fourier Analysis and Applications, Neuroscience Letters, Applied and Computational Harmonic Analysis, Electronic Journal of Statistics.

Conference Reviewer: International Conference on Computer Vision (2003, 2005, 2007, 2009), European Conference on Computer Vision (2002, 2004, 2006, 2008, 2014), IEEE Conference on Computer Vision and Pattern Recognition (2003-2009, 2015), NIPS: Neural Information Processing Systems (2005, 2012, 2014), International Conference on Machine Learning (2006, 2013), European Conference on Machine Learning (2006), European Control Conference (2006-2007), IEEE Conference on Decision and Control (2000-2007), Workshop on Hybrid Systems Computation and Control (2000-2003, 2008), IEEE American Control Conference (2002-2004, 2007), IFAC Symposium on System Identification (2006), IEEE International Conference on Robotics and Automation (2006), IEEE International Conference on Intelligent Robots and Systems (2005).

MEMBERSHIPS OF SCIENTIFIC SOCIETIES (if applicable)

- Institute of Electrical and Electronics Engineers (IEEE)
- Association for Computing Machinery (ACM)
- Society for Industrial and Applied Mathematics (SIAM)

MAJOR COLLABORATIONS (if applicable)

Arora, Raman, Dept. of Computer Science, Johns Hopkins University, USA.
Braverman, Vladimir, Dept. of Computer Science, Johns Hopkins University, USA.
Favaro, Paolo, Inst. of Computer Science & Applied Math, Universität Bern, Switzerland.
Mallada, Enrique, Dept. of Electrical & Computer Engineering, Johns Hopkins University, USA.
Maggioni, Mauro, Dept. of Mathematics, Johns Hopkins University, USA.
Priebe, Carey, Dept. of Applied Mathematics and Statistics, Johns Hopkins University, USA.
Tanner, Herbert, Mechanical Engineering, University of Delaware, USA.