Radu Balan

Biography: Radu Balan received the Bachelor or Engineering degree in Electrical Engineering from the University “Politechnica” of Bucharest, Bucharest, Romania, in 1992, the Bachelor of Science in Physics from the University of Bucharest, Romania, in 1994, and the Ph.D in Applied Mathematics from Princeton University, Princeton, NJ, in 1998. He is a Professor of Applied Mathematics at the University of Maryland, College Park, with a joint appointment at the Center for Scientific Computation and Mathematical Modeling. His research interests are in applied harmonic analysis, redundant representations, detection and estimation theory, nonlinear analysis. Balan has served as a guest editor of EURASIP’s JASP (2005), and is currently a member on the editorial board of the Journal of Applied and Computational Harmonic Analysis (since 2005). He is a IEEE Senior member.

Web site: http://www.math.umd.edu/~rvbalan/

Selected Publications:


Holger Boche

**Biography:** Holger Boche received the Dipl.-Ing. and Dr.-Ing. degrees in electrical engineering from the Technische Universität Dresden, Dresden, Germany, in 1990 and 1994, respectively. He graduated in mathematics from the Technische Universität Dresden in 1992. He received his Dr. rer. nat. degree in pure mathematics from the Technische Universität Berlin, Berlin, Germany, in 1998. Since October 2010 he is Professor at the Institute of Theoretical Information Technology of the Technische Universität München, Munich, Germany. He was elected a Member of the German Academy of Sciences (Leopoldina) in 2008 and of the Berlin Brandenburg Academy of Sciences and Humanities in 2009. He was co-recipient of the 2006 IEEE Signal Processing Society Best Paper Award and recipient of the 2007 IEEE Signal Processing Society Best Paper Award. Boche has served as Associate Editor for Communications of the IEEE Transactions on Information Theory (Nov. 2005-Dec. 2008). He is a Fellow of the IEEE.

**Web site:** [http://www.lti.ei.tum.de](http://www.lti.ei.tum.de)

**Selected Publications:**


Kamalika Chaudhuri

**Biography:** Kamalika Chaudhuri received a Bachelor of Technology degree in Computer Science from the Indian Institute of Technology, Kanpur in 2002 and a PhD degree in Computer Science from the University of California, Berkeley in 2007. She is an Associate Professor in the Computer Science and Engineering Department at the University of California, San Diego. Kamalika has broad research interests in statistical learning theory, including theory of clustering, interactive learning, learning from sensitive data with privacy, as well as theory of deep learning. She received an NSF CAREER Award in 2013, and a Hellman Faculty Fellowship in 2012. She was a Program Chair of the Algorithmic Learning Theory (ALT) conference in 2015, and is currently a Steering Committee member of the Conference on Learning Theory (COLT).

**Website:** [http://cseweb.ucsd.edu/users/kamalika/](http://cseweb.ucsd.edu/users/kamalika/)

**Selected Publications:**

Natasha Devroye

Biography: Natasha Devroye is an Associate Professor in the Department of Electrical and Computer Engineering at the University of Illinois at Chicago (UIC), which she joined in January 2009. From July 2007 until July 2008 she was a Lecturer at Harvard University. She obtained her Ph.D in Engineering Sciences from the School of Engineering and Applied Sciences at Harvard University in 2007, and a Honors B. Eng in Electrical Engineering from McGill University in 2001. She was a recipient of an NSF CAREER award in 2011 and was named UIC’s Researcher of the Year in the “Rising Star” category in 2012. She has been an Associate Editor for IEEE Transactions on Wireless Communications, IEEE Journal of Selected Areas in Communications, and is currently an Associate Editor for the IEEE Transactions on Cognitive Communications and Networking, handling the information theoretic contributions. Her research focuses on multi-user information theory and applications to cognitive radio, radar, relay, interference and two-way communication networks.

Website: http://www.ece.uic.edu/Devroye

Selected publications:


Anxiao (Andrew) Jiang

Biography: Anxiao (Andrew) Jiang received the B.Sc. degree in electronic engineering from Tsinghua University, Beijing, China in 1999, and the M.Sc. and Ph.D. degrees in electrical engineering from the California Institute of Technology, Pasadena, California in 2000 and 2004, respectively. He is an Associate Professor in the Computer Science and Engineering Department at Texas A&M University in College Station, Texas. He has held visiting positions at California Institute of Technology, University of California in San Diego and Ecole Polytechnique Federale de Lausanne (EPFL), and has been a consulting researcher at HP Labs, EMC and Microsoft Research. His research interests include information theory, data storage, memories and algorithm design. He is a recipient of the NSF CAREER Award in 2008 for his research on information theory for flash memories and a recipient of the 2009 IEEE Communications Society Data Storage Technical Committee (DSTC) Best Paper Award in Signal Processing and Coding for Data Storage.

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Selected Publications:


Joerg Kliewer

Biography: Joerg Kliewer received the Dipl.-Ing. (M.Sc.) degree in Electrical Engineering from Hamburg University of Technology, Hamburg, Germany, in 1993 and the Dr.-Ing. degree (Ph.D.) in Electrical Engineering from the University of Kiel, Germany, in 1999, respectively.

He is Associate Professor of Electrical and Computer Engineering at the New Jersey Institute of Technology. His research interests span information and coding theory, graphical models, and statistical algorithms, which includes applications to networked communication and security, data storage, and biology. Dr. Kliewer was the recipient of a Leverhulme Trust Award and a German Research Foundation Fellowship Award in 2003 and 2004, respectively. He was an Associate Editor of the IEEE Transactions on Communications from 2008 until 2014, and since 2015 serves as an Area Editor for the same journal. He is also member of the editorial board of the IEEE Information Theory Society Newsletter since 2012 and serves as co-chair of the outreach subcommittee of the IEEE Information Theory Society since 2011.

Website: https://web.njit.edu/~jkliewer

Selected Publications:


Alexandre Proutiere

Biography: Alexandre Proutiere graduated in mathematics from Ecole Normale Superieure in Paris in 1996, qualified as an engineer from Telecom Paris Tech in 1998, and received a PhD in mathematics from Ecole Polytechnique in 2003. He is a member of Corps des Mines in France. He worked as a researcher at Microsoft Research (Cambridge) from 2007 to 2011, and at France Telecom R&D from 2000 to 2006. He is now professor of Electrical Engineering at KTH The Royal Institute of Technology in Stockholm Sweden. He won the ACM Sigmetrics rising star award in 2009 for his contributions on the design and analysis of distributed control algorithms in communication systems, the ACM best papers awards at Sigmetrics 2004 and 2010, and Mobihoc 2009. He holds an ERC consolidator grant. He has served as an associate editor of ACM/IEEE trans. on Networking, Queueing Systems, and Performance Evaluation journals.

Website: http://people.kth.se/~alepro/

Selected publications:


Narayana Prasad Santhanam is an Associate Professor at the University of Hawaii, Manoa (UHM), and has been faculty with UHM since 2009. He obtained his B.Tech from the Indian Institute of Technology, Chennai in 2000; MS and PhD from the University of California, San Diego in 2003 and 2006 respectively. From 2007-2008, he held a postdoctoral position at the University of California, Berkeley. His research interests lie in the intersection of information theory and statistics with an emphasis on source coding and machine learning, and involves applications in finance, biology, communication and estimation theory. He is the recipient of the 2006 Information Theory Best Paper award from the IEEE Information Theory Society along with A. Orlitsky and J. Zhang; and has co-organized workshops/sessions on high dimensional statistical problems with the American Institute of Math, Banff International Research Station, NSF Center for Science of Information and the Information Theory Workshop in recent years.

Selected list of publications


