

Speakers biographies

François Baccelli

University of Texas at Austin, USA



François Baccelli is Simons Math+X Chair in Mathematics and ECE at UT Austin. His research directions are at the interface between Applied Mathematics (probability theory, stochastic geometry, dynamical systems) and Communications (network science, information theory, wireless networks). He is co-author of research monographs on point processes and queues (with P. Brémaud); max plus algebras and network dynamics (with G. Cohen, G. Olsder and J.P. Quadrat); stationary queuing networks (with P. Brémaud); stochastic geometry and wireless networks (with B. Blaszczyzyn). Before joining UT Austin, he held positions at INRIA, Ecole Normale Supérieure and Ecole Polytechnique. He received the France Télécom Prize of the French Academy of Sciences in 2002 and the ACM Sigmetrics Achievement Award in 2014. He is a co-recipient of the 2014 Stephen O. Rice Prize and of the Leonard G. Abraham Prize Awards of the IEEE Communications Theory Society. He is a member of the French Academy of Sciences and part time researcher at INRIA.

Jean-Claude Belfiore

Mathematical and Algorithmic Sciences Lab, Huawei, France



Jean-Claude Belfiore received the "Diplôme d'ingénieur" (Eng. degree) from Ecole Supérieure d'Electricité (Supelec) in 1985, the "Doctorat" (PhD) from ENST in 1989 and the "Habilitation à diriger des Recherches" (HdR) from Université Pierre et Marie Curie (UPMC) in 2001. From 1989, he was with the "Ecole Nationale Supérieure des Télécommunications, ENST, also called "Télécom ParisTech" as a full Professor in the Communications & Electronics department. In 2015, he joined the Mathematical and Algorithmic Sciences Lab of Huawei as head of the Communication Science Department. Jean-Claude Belfiore has made pioneering contributions on modulation and coding for wireless systems (especially space-time coding) by using tools of number theory. He is also one of the co-inventors of the celebrated Golden Code of the Wi-Max standard. Jean-Claude Belfiore is author or co-author of more than 200 technical papers and communications and has served as advisor for more than 30 Ph.D. students. He was Associate Editor of the IEEE Transactions on Information Theory for Coding Theory and has been the recipient of the 2007 Blondel Medal

Eric Moulines,

Ecole Polytechnique, France



Eric Moulines received the the Engineering degree from Ecole Polytechnique, Paris, France, in 1984, the Ph. D. degree in electrical engineering from Ecole Nationale Supérieure des Télécommunications, in 1990. In 1990, he joined the Signal and Image processing department at Télécom ParisTech where he became a full professor in 1996. In 2015, he joined the Applied Mathematics Center of Ecole Polytechnique, where he is currently a professor in statistics. His areas of expertise include computational statistics, machine learning, statistical signal processing and time series analysis. His current research topics cover large-scale (Bayesian) inference with applications to inverse problems and machine learning and non-linear filtering. He has published more than 100 papers in leading journals of the field. In 1997 and 2006, he receive the Best paper Award of the IEEE Signal Processing Society (for papers in IEEE Trans. On Signal Processing) He served in the editorial boards of IEEE Trans. On Signal Processing, Signal Processing, Stochastic Processes and Applications, Journal of Statistical Planning and Inference. He was the Editor-in-Chief of Bernoulli from 2013-2016. E. Moulines is a EURASIP fellow. He was the recipient of the 2010 Silver Medal from the Centre National de Recherche Scientifique and the 2011 Orange prize of the French Academy of Sciences.

Felix Otto

Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany



Felix Otto received his PhD at the University of Bonn in 1993 under the supervision of Stephan Luckhaus. He was Postdoc at the Courant Institute and the Carnegie-Mellon University working with Weinan E, David Kinderlehrer, and Bob Kohn. In 1997 he became assistant and in 1998 full professor at the University of California at Santa Barbara. In 1999 he became full professor at the department of applied mathematics at the University of Bonn. Since 2010, he is director at the Max Planck Institute for Mathematics in the Sciences in Leipzig. His main expertise is in the applied analysis of partial differential equations and in the calculus of variations. Important themes are pattern formation, energy landscapes and scaling laws. He has worked on flow in porous media, on demixing processes, and on micromagnetics.