

# 2018 IEEE Information Theory Society Paper Award

**T**HE recipients of the 2018 IEEE Information Theory Society Paper Award are Mansoor I. Yousefi and Frank R. Kschischang for the three-part paper “Information Transmission Using the Nonlinear Fourier Transform, I, II, III” which appeared in the IEEE TRANSACTIONS ON INFORMATION THEORY, vol. 60, no. 7, pp. 4312–4328 (Part I), pp. 4329–4345 (Part II), and pp. 4346–4369 (Part III), July 2014.

The IEEE Information Theory Society Paper Award, consisting of a plaque and an honorarium, is given annually for an outstanding publication in the fields of interest to the Society and appearing anywhere during the preceding four calendar years. Its purpose is to recognize exceptional publications and to stimulate interest in, and encourage contributions to, fields of interest of the Society.



**Mansoor I. Yousefi** is an Assistant Professor in the Communications and Electronics Department at Telecom ParisTech, Paris, France. From 2013 to 2016, he was a Postdoctoral Fellow at the Institute for Advanced Study, and the Institute for Communications Engineering, at the Technical University of Munich, Munich, Germany. He received his Ph.D. in Electrical Engineering from the University of Toronto, Toronto, Canada, in 2013. His research interests are primarily in information theory, communication theory and optical fiber.

He is a recipient of a number of awards, including an IEEE Jack Keil Wolf ISIT Student Paper Award from the IEEE Information Theory Society in 2013 and an ERC Starting Grant from the European Research Council in 2018.



**Frank R. Kschischang** received the B.A.Sc. degree (with honours) from the University of British Columbia, Vancouver, BC, Canada, in 1985 and the M.A.Sc. and Ph.D. degrees from the University of Toronto, Toronto, ON, Canada, in 1988 and 1991, respectively, all in electrical engineering. Since 1991 he has been a faculty member in the Edward S. Rogers Sr. Department of Electrical and Computer Engineering at the University of Toronto, where he presently holds the title of Distinguished Professor of Digital Communication. He has held visiting positions at MIT, Cambridge, MA, at ETH Zürich, and at the Technical University of Munich.

His research interests are focused primarily on the area of channel coding techniques, applied to wireless, copper and fiber-optic communication systems and networks. He received the Ontario Premier’s Research Excellence Award in 1999 and was named a Tier I Canada Research Chair in 2001 (renewed in 2008). In 2010 he was awarded a Killam Research Fellowship by the Canada Council for the Arts. Jointly with Ralf Kötter, he received the 2010 IEEE Communications Society and Information Theory Society Joint Paper Award, and in 2012 he

received the Canadian Award in Telecommunications Research. In 2018 he was named Padovani Lecturer by the IEEE Information Theory Society (ITSoc).

During 1997–2000, he served as Associate Editor for Coding Theory for the IEEE TRANSACTIONS ON INFORMATION THEORY, and from 2014–16, he served as this journal’s Editor-in-Chief. He served as Technical Program Co-chair for the 2004 IEEE International Symposium on Information Theory (ISIT), Chicago, and as General Co-chair for ISIT 2008, Toronto. He served as the 2010 ITSoc President. He received the ITSoc Aaron D. Wyner Distinguished Service Award in 2016.

He is a Fellow of IEEE, of the Royal Society of Canada, of the Canadian Academy of Engineering, and of the Engineering Institute of Canada.