2012-2013 New Research Associates

Radu Balan (U Maryland)
http://www2.math.umd.edu/~rvbalan/

Professor Balan’s research interests include topics in harmonic analysis and applications to engineering and computer science, particularly to statistical signal processing, information theory, and machine learning.

Min Chen (U Oxford)
http://www.oerc.ox.ac.uk/people/min-chen

Professor Chen, who currently holds the position of professor of Scientific Visualization at the University of Oxford, has made significant contributions in volume graphics, video visualization, face modelling, automated visualization, and theory of visualization. In particular, he has presented a strong case that information theory can provide visualization with a theoretic framework, underpinning many aspects of visualization.

Ehsan Soofi (U Wisconsin Milwaukee)
http://www.sba.uwm.edu/Soofi_e/

Professor Soofi is recognized for his research in developing information measures for statistical analysis and showing their use in economic and business applications. Research topics include developing models based on partial information, measures of loss and gain of information, measuring levels uncertainty in decision-making situations, measures of importance of various factors in statistical models, and methods for emphasizing or de-emphasizing attributes to match competitors.

Heath Henderson (Inter-American Development Bank)

Dr. Henderson is an applied microeconomist whose research generally focuses on agricultural development. Recently, he has used information-theoretic methods to examine questions of structural transformation in developing country agriculture.

Jean-Pascal Nguessa Nganou (The World Bank Uganda)


Werner Ploberger (Washington U, St. Louis)
http://economics.wustl.edu/people/werner_ploberger

Professor Ploberger’s research focus is in the areas of statistics, econometric methodology and time-series econometrics. He has been affiliated with Vienna University of Technology.
(Austria), the University of St. Andrew (Scotland) and the University of Rochester. He was tenured in 1993 (Vienna University of Technology) and promoted to full in 1995 (University of St. Andrews).

**Refik Soyer (George Washington U)**

http://business.gwu.edu/faculty/refik_soyer.cfm

Professor Soyer’s areas of interests are Bayesian statistics and decision analysis, information theory statistics, stochastic modeling, statistical aspects of reliability analysis, and time series analysis. His research focuses on modeling and methodology development and applications of these models and methods to real problems. Recent examples of such work include Bayesian queueing models, mortgage default assessment, Bayesian methods for healthcare fraud detection, and non-Gaussian dynamic time series.

**Wojciech (Wojtek) Szpankowski (Purdue U)**

https://www.cs.purdue.edu/homes/spa/

Professor Szpankowski teaches and conducts research in analysis of algorithms, information theory, bioinformatics, analytic combinatorics, random structures, and stability problems of distributed systems at Purdue University. In 2008 he launched the interdisciplinary Institute for Science of Information, and in 2010 he became the Director of the newly established NSF Science and Technology Center for Science of Information.