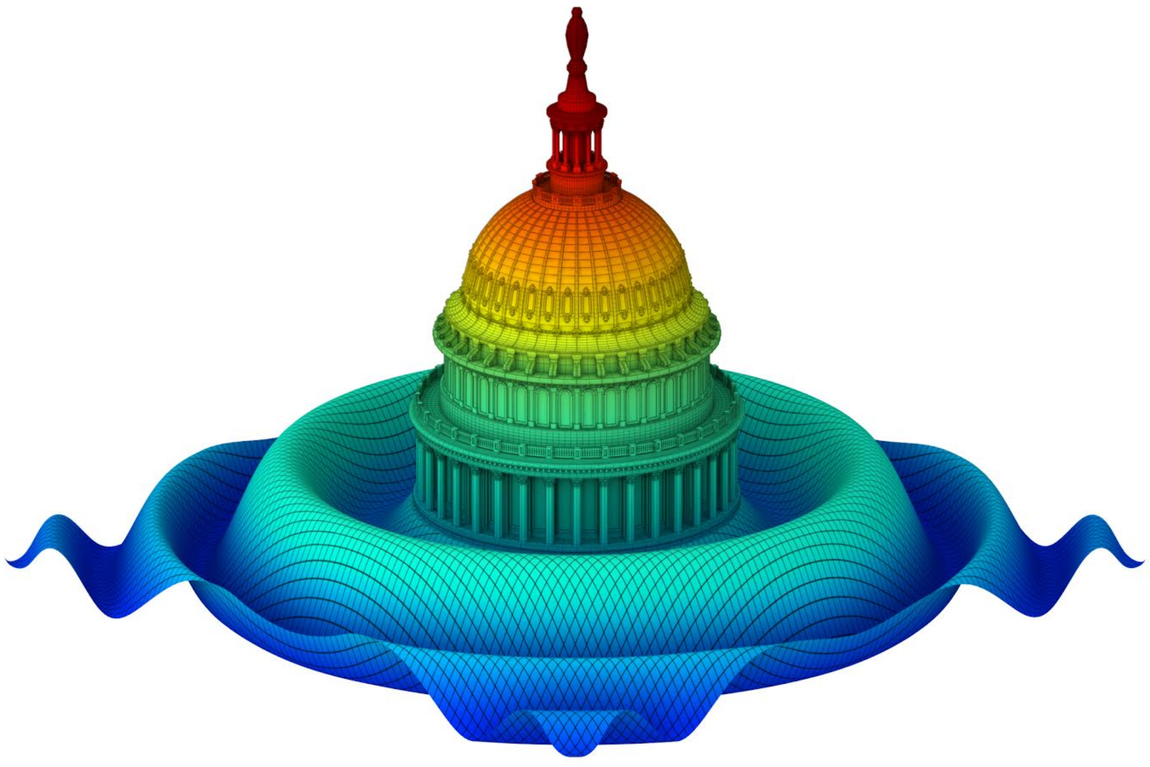

Sampling Theory and Applications

www.american.edu/sampta2015

SampTA 2015

American University
Washington, DC, USA
May 25–29, 2015

SampTA *(Sampling Theory and Applications)* is a biennial interdisciplinary international conference for mathematicians, engineers, and applied scientists. SampTA 2015 is the eleventh meeting. The main purpose of the conference is to exchange recent advances in sampling theory and to explore new trends and directions in the related areas of application. SampTA focuses on such fields as

signal and image processing, compressed sensing, coding theory, control theory, computational neuroscience, information theory, real and complex analysis, and theoretical, applied, and computational harmonic analysis.

The conference papers are indexed in *IEEE Xplore*. After the conference, there is a call for longer papers which will be published after review in a special double issue of *Sampling Theory in Signal and Image Processing (STSIP)*.

SampTA 2015 is endorsed by the *Institute of Electrical and Electronics Engineers (IEEE)* and the *Society for Industrial and Applied Mathematics (SIAM)*. SampTA 2015 has also received grant support from the *Air Force Office of Scientific Research (AFOSR)* and the *Army Research Office (ARO)*.

SampTA features plenary talks by prominent speakers, special sessions on selected topics reflecting the current trends in sampling theory and its applications to the engineering sciences, as well as regular sessions about traditional topics in sampling theory and a poster session. In addition, there will be a Wednesday evening concert: *An Evening with Pierre Bensusan*.

Plenary Speakers for SampTA 2015

Richard G. Baraniuk	Rice University
Robert Calderbank	Duke University
Laurent Demanet	Massachusetts Institute of Technology
Yonina Eldar	Technion
Joseph Emerson	University of Waterloo
Pascal Frossard	École Polytechnique Fédérale de Lausanne
Stanley Osher	University of California Los Angeles
Thomas Strohmer	University of California Davis
Alexander Ulanovskii	University of Stavanger

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Götz Pfander	Jacobs University, Bremen, Germany

Special Sessions for SampTA 2015

Frame Theory	G. Kutyniok, G. Pfander
Dynamical, Mobile, and Nonlinear Sampling	R. Aceska, J. Romero, Q. Sun
Sampling in Non-Euclidean Spaces	G. Olafsson
Low Rank Matrix and Tensor Recovery	H. Rauhut
Universal Sampling, Fourier Frames and Riesz Bases of Exponentials	J. Antezana, J. Marzo
Compressed Sensing and Sparsity Based Regularizations	B. Adcock, F. Krahmer
Phase Retrieval	H. Boche, B. Bodmann
A to D Algorithms and Chip Design	L. Fesquet, S. Hoyos, B. Sadler
Sampling Signals with Finite Rate of Innovation in Biomedical Applications	P. Marziliano
Sampling and Stochastic Processes	M. Unser

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