



MINI-COURSES FOR DOCTORAL STUDENTS AND RECENT PHD GRADUATES
GIVEN ON OCCASION OF SAMPTA 2017
JULY 2–4, TALLINN, ESTONIA

TALLINN UNIVERSITY OF TECHNOLOGY / TALLINN UNIVERSITY / UNIVERSITY OF TARTU

SampTA 2017 (July 3–7) is the 12th biennial International Conference on Sampling Theory and Applications. SampTA 2017 will have 10 plenary invited lectures, general session and invited/special sessions on multiple topics (including but not limited to *signal and image processing, coding theory, control theory, complex analysis, harmonic analysis, differential equations, inverse problems*) as well as poster sessions and mini-courses for doctoral students.

Mini-courses will take place before and during the conference. The courses will begin on Sunday, July 2, at Tallinn University, where three lectures will be given (see the list of mini-courses speakers). Other lectures will be given as joint lectures with SampTA participants including 5 plenary lectures, one of them given by Sergio Verdu. There will be also an opportunity for the participants of mini-courses to present their work at a special poster session on Tuesday, July 4.

LIST OF SAMPTA 2017 PLENARY SPEAKERS

David Gross Stephane Jaffard	Michael Lacey Jose Principe	Justin Romberg Amit Singer	Sergio Verdu Rene Vidal	Laura Waller Rachel Ward
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LIST OF MINI-COURSES SPEAKERS

Mart Min <i>Tallinn University of Technology, Estonia</i>	Götz Pfander <i>Philipps-Universität Marburg, Germany</i>	Sergio Verdu <i>Princeton University, USA</i>	Ahmed Zayed <i>De Paul University, USA</i>
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INVITED/SPECIAL SESSIONS OF SAMPTA 2017

<ul style="list-style-type: none"> Mathematical Data Processing with Optimization Bilinear Inverse Problems Mathematics of Deep Learning Mathematical Theory of Quantization 	<ul style="list-style-type: none"> Low Rank Matrix Recovery and Phase Retrieval Shannon Sampling 100 Years After His Birth Time-Frequency Analysis 	<ul style="list-style-type: none"> Dynamical Sampling Sampling and Geometry Frames, Nonlinear Approximations and Hilbert Transform Spectral Estimation and Acoustics
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In order to apply for the Mini-courses, please, send a one-page abstract of your thesis to the Local Organizing Committee, Maria Zeltser, mariaz@tlu.ee, by no later than April 25, 2017. Abstract should be sent along with a cover letter with an information about the applicant including a short description of PhD studies, advisor's name, institution and e-mail. Applicants will be accepted on competitive basis as the number of participants is limited to 25 persons. Acceptance notice will be posted by May 1, 2017.

After acceptance everyone is asked to register in the SampTA 2017 registration system. Participants of Mini-courses can choose between 2 types of packages: *package only for Mini-courses* or *package for both Mini-courses and SampTA*. Detailed registration guidelines are available on the conference webpage <http://www.sampta2017.ee/>.

IMPORTANT DATES

April 25: Application deadline	May 5: Early registration deadline for SampTA and/or Mini-courses	June 5: Late registration deadline for SampTA and/or Mini-courses
May 1: Acceptance notice		

