[Session Title: Geometry, Spectra]

Date and Time	**Wednesday, June 1, 2016 / 16:10-17:50**
Room	**Dongkang B, Avenue 3F**
Session Chair	**Dmitri Krioukov, Northeastern Univ., USA**

16:10-16:30 **Quantifying Randomness in Real Networks**
Chiara Orsini[1,2], Marija M. Dankulov[3,4], Pol Colomer-de-Simón[5], Almerima Jamakovic[6], Priya Mahadevan[7], Amin Vahdat[8], Kevin E. Bassler[9,10], Zoltán Toroczkai[11], Marián Boguñá[5], Guido Caldarelli[12], Santo Fortunato[13], and Dmitri Krioukov[1,14]
[1]Univ. of California San Diego, USA, [2]Univ. of Pisa, Italy, [3]Univ. of Belgrade, Serbia, [4]Aalto Univ., Finland, [5]Universitat de Barcelona, Spain, [6]Univ. of Bern, Switzerland, [7]Palo Alto Research Center, USA, [8]Google, USA, [9]Univ. of Houston, USA, [10]Max Planck Institut für Physik Komplexer Systeme, Germany, [11]Univ. of Notre Dame, USA, [12]IMT Alti Studi, Italy, [13]Aalto Univ. School of Science, Finland, [14]Northeastern Univ., USA

16:30-16:50 **Complex Networks as Lorentzian Geometries**
David Rideout
Univ. of California, San Diego, USA

16:50-17:10 **Homological Scaffolds as Networks: What Can We Learn?**
Paul Expert[1], Giovanni Petri[2], and Louis-David Lord[3]
[1]King's College London, UK, [2]ISI Foundation, Italy, [3]Univ. of Oxford, UK

17:10-17:30 **Spectral Analysis of Echo State Networks**
Pau Vilimelis Aceituno[1], Gang Yan[2], and Yang-Yu Liu[1]
[1]Harvard Medical School, USA, [2]Northeastern Univ. USA

17:30-17:50 **Competition between Resolution and Detectability in Spectral Graph Partitioning**
Tatsuro Kawamoto and Yoshiyuki Kabashima
Tokyo Institute of Technology, Japan