

[Session Title: “IBS Session” Interference and Optimization]

Date and Time	Thursday, June 2, 2016 / 16:10-17:50
Room	Dongkang A, Avenue 3F
Session Chair	Sergej Flach, Institute for Basic Science, Korea

- 16:10-16:50** **Flat Bands**
Sergej Flach
Institute for Basic Science, Korea
- 16:50-17:10** **Understanding the XY Model Collective Behaviours through Graph Signal Analysis**
Paul Expert¹, Sarah de Nigris², Taro Takaguchi³, and Renaud Lambiotte²
¹King's College, UK, ²Université de Namur, Belgium, ³Nat'l Institute of Informatics, Japan
- 17:10-17:30** **Machine Learning Meets Network Science: Dimensionality Reduction for Fast and Efficient Embedding of Networks in the Hyperbolic Space**
Josephine Maria Thomas¹, Alessandro Muscoloni^{1,2}, Sara Ciucci^{1,3}, Ginestra Bianconi⁴, and Carlo Vittorio Cannistraci¹
¹Technische Universität Dresden, Germany, ²Università di Bologna - Via Zamboni, Italy, ³Lipotype GmbH, Germany, ⁴Queen Mary Univ. of London, UK
- 17:30-17:50** **Common Neighbours and the Local-Community-Paradigm for Topological Link Prediction in Bipartite Networks**
Simone Daminelli, Josephine Maria Thomas, Claudio Duran, and Carlo Vittorio Cannistraci
Technische Universität Dresden, Germany