

[Session Title: Epidemic]

Date and Time	Thursday, June 2, 2016 / 14:00-15:40
Room	Dongkang D, Avenue 3F
Session Chair	Piet Van Mieghem, Delft Univ. of Technology, The Netherlands

- 14:00-14:20** **Time-Varying SIS Prevalence in Networks: Theory and New Approximate Formula**
Piet Van Mieghem and Qiang Liu
Delft Univ. of Technology, The Netherlands
- 14:20-14:40** **Discrete vs. Continuous Time Formulation of the Epidemic Threshold on a Time-Varying Network**
Chiara Poletto¹, Eugenio Valdano¹, and Vittoria Colizza^{1,2}
¹Sorbonne Universités, France, ²ISI Foundation, Italy
- 14:40-15:00** **Impact of Spatially Constrained Sampling of Temporal Contact Networks on the Evaluation of the Epidemic Risk**
Christian L. Vestergaard¹, Eugenio Valdano^{2,3}, Mathieu G enois¹, Chiara Poletto^{2,3}, Vittoria Colizza^{2,3,4}, and Alain Barrat^{1,4}
¹Université de Toulon, France, ²INSERM, France, ³Sorbonne Universités, France, ⁴ISI Foundation, Italy
- 15:00-15:20** **A Prudent Adaptive Behaviour Accelerates Disease Transmission on Networks**
Samuel V. Scarpino^{1,2,3}, Antoine Allard⁴, and Laurent Hébert-Dufresne³
¹Univ. of Vermont, USA, ²Univ. of Vermont, USA, ³Santa Fe Institute, USA, ⁴Universitat de Barcelona, Spain
- 15:20-15:40** **Quantitative Measures of Epidemic Spread on the German Swine Trade Network**
Jason Bassett¹, Hartmut H. K. Lentz², Andreas Koher¹, Philipp Hövel^{1,3}, and Jörn Gethmann²
¹Technische Universität Berlin, Germany, ²Friedrich-Loeffler-Institut für Tiergesundheit, Germany, ³Bernstein Center for Computational Neuroscience Berlin, Germany