

[Session Title: Epidemics]

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<b>Date and Time</b>	<b>Thursday, June 2, 2016 / 16:10-17:50</b>
<b>Room</b>	<b>Dongkang D, Avenue 3F</b>
<b>Session Chair</b>	<b>Huijuan Wang, Delft Univ. of Technology, The Netherlands</b>

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**16:10-16:30 Epidemic Mitigation via Awareness Propagation in Communications Network: Role of Time Scale**

Huijuan Wang<sup>1</sup>, Chuyi Chen<sup>1</sup>, Bo Qu<sup>1</sup>, Daqing Li<sup>2</sup>, and Shlomo Havlin<sup>3</sup>  
<sup>1</sup>*Delft Univ. of Technology, The Netherlands*, <sup>2</sup>*Beihang Univ., China*,  
<sup>3</sup>*Bar-Ilan Univ., Israel*

**16:30-16:50 Epidemic Counter-Measures and Complex Social Dynamics**

Enys Mones<sup>1</sup>, Arkadiusz Stopczynski<sup>2</sup>, Alex 'Sandy' Pentland<sup>2</sup>, and Sune Lehmann<sup>1,3</sup>  
<sup>1</sup>*Technical Univ. of Denmark, Denmark*, <sup>2</sup>*MIT, USA*, <sup>3</sup>*Univ. of Copenhagen, Denmark*

**16:50-17:10 Heterogeneous Vaccination Coverage and Measles Transmission Dynamics**

Benjamin M. Althouse<sup>1,2,3</sup>, Marcel Salathé<sup>4</sup>, Marc Lipsitch<sup>5</sup>, Carl T. Bergstrom<sup>6</sup>, and Jevin D. West<sup>6</sup>  
<sup>1</sup>*Institute for Disease Modeling, USA*, <sup>2</sup>*Santa Fe Institute, USA*, <sup>3</sup>*New Mexico State Univ., USA*, <sup>4</sup>*EPFL, Switzerland*, <sup>5</sup>*Harvard School of Public Health, USA*, <sup>6</sup>*Univ. of Washington, USA*

**17:10-17:30 Quantifying Social Contacts in a Household Setting of Rural Kenya using Wearable Proximity Sensors**

Moses C. Kiti<sup>1</sup>, Michele Tizzoni<sup>2</sup>, Timothy M. Kinyanjui<sup>1,3</sup>, Dorothy C. Koech<sup>1</sup>, Patrick K. Munywoki<sup>1</sup>, Milosch Meriac<sup>5</sup>, Luca Cappa<sup>2</sup>, Andr Panisson<sup>2</sup>, Alain Barrat<sup>2,6</sup>, Ciro Cattuto<sup>2</sup>, and D. James Nokes<sup>1,4</sup>  
<sup>1</sup>*KEMRI-Wellcome Trust Research Programme, Kenya*, <sup>2</sup>*ISI Foundation, Italy*, <sup>3</sup>*The Univ. of Manchester, UK*, <sup>4</sup>*Univ. of Warwick, UK*,  
<sup>5</sup>*Bitmanufaktur Ltd, UK*, <sup>6</sup>*CNRS, France*