



gesis

Leibniz Institute
for the Social Sciences

Computational Social Science Winter Symposium

3rd GESIS Computational Social Science Winter Symposium 2016

Understanding social systems via computational approaches and new kinds of data

November 30 – December 1, 2016

KOMED im MediaPark 7

Cologne, Germany

Wednesday, November 30

- 08:15 – 09:00 Registration
- 09:00 – 09:25 **Opening Remarks** by Markus Strohmaier, GESIS - Leibniz Institute for the Social Sciences and University of Koblenz-Landau
- 09:25 – 10:10 **Keynote** by Helen Margetts, University of Oxford
The computational social science of turbulent politics
- 10:10 – 10:55 **Keynote** by Krishna Gummadi, Max Planck Institute for Software Systems
Discrimination in Human vs. Algorithmic Decision Making
- 10:55 – 11:25 **Break**
Foyer at building 7
- 11:25 – 12:30 **Pecha Kucha Session 1**
2-minute presentations to introduce all accepted posters
- 12:30 – 14:00 **Lunch**
Basement at building 6
- 14:00 – 15:00 **Pecha Kucha Session 2**
2-minute presentations to introduce all accepted posters
- 15:00 – 17:15 **Poster exhibition**
Basement at building 6
- 17:15 – 18:00 **Keynote** by Marko Grobelnik, Jožef Stefan Institute
Cross-lingual Global Media Monitoring
- 19:00 – 21:00 **Informal evening event**
Cologne Christmas Markets
- Start guided tours: 18:10 at KOMED entrance
 18:30 at KOMED entrance
 18:45 at Maternushaus

WiFi: CSSWS16
Password: Wintersymposium



Thursday, December 1

- 09:00 - 09:15** **Welcome Remarks** by Markus Strohmaier
- 09:15 - 10:00** **Keynote** by Tina Eliassi-Rad, Northeastern University
The Reasonable Effectiveness of Roles in Complex Networks
- 10:00 - 10:45** **Plenary Talks 1**
- **A Quantitative Study of the Ringelmann Effect in Software Development Teams.** Ingo Scholtes
 - **Creative Team Success in Multi-level Networks.** Aniko Hannak, Johannes Wachs and Andras Voros
 - **Crowd-sourced Text Analysis: Reproducible and Agile Production of Data from Text.** Kenneth Benoit
- 10:45 - 11:15** **Break**
Foyer at building 7
- 11:15 - 12:15** **Plenary Talks 2**
- **Memory Remains: Understanding Collective Memory in the Digital Age.** Ruth Garcia Gavilanes, Anders Mollgaard, Milena Tsvetkova and Taha Yasseri
 - **Conversations That Make You Feel Better: Applying Natural Language Processing to Mental Health.** Tim Althoff
 - **Quantifying the Evolution of Individual Scientific Impact.** Roberta Sinatra
 - **Beyond Self-citations: The Origin of Citations and Success of Multi-authorship Publications.** Christian Schulz, Olivia Woolley-Meza, Brian Uzzi and Dirk Helbing
- 12:15 - 14:00** **Lunch**
Foyer at building 7



Thursday, December 1

14:00 – 15:00

Plenary Talks 3

- **The Effect of Elections on Ethnic Interactions: Evidence from a Bosnian Blogger Network.** Annerose Nisser
- **Quantifying Search Bias: Investigating Sources of Bias for Political Searches in Social Media.** Juhi Kulshrestha, Motahhare Eslami, Johnnatan Messias, Muhammad Bilal Zafar, Saptarshi Ghosh, Krishna Gummadi and Karrie Karaholios
- **Challenges in Measuring and Understanding Cross-cultural Crisis News Media Bias on Twitter.** Abdallah El Ali, Tim Stratmann, Wilko Heuten, Susanne Boll
- **The Propagation of Risk Judgements in Experimental Communication Chains.** Mehdi Moussaïd

15:00 – 15:30

Break

Foyer at building 7

15:30 – 16:15

Keynote by Petter Holme, Sungkyunkwan University
Temporal networks of human interaction

16:15 – 17:00

Keynote by Noshir Contractor, Northwestern University
Leveraging Computational Social Science to address Grand Societal Challenges

17:00 – 17:15

Closing remarks by Markus Strohmaier