

Markus Strohmaier, GESIS & RWTH Aachen

Katrin Weller, GESIS

Luca Maria Aiello, Nokia Bell Labs

David García, Complexity Science Hub Vienna & Medical University Vienna

Frank Schweitzer, ETH Zürich

Organizing Committee

Symposium Series funded by



VolkswagenStiftung

2nd European Symposium on Societal Challenges in Computational Social Science

Symposium Chairs

Katrin Weller
GESIS

Marcus Strohmaier
GESIS & RWTH Aachen



December 5th-7th

Cologne 2018

Cologne Marriott and Maternushaus

Bias and Discrimination

Programme

Symposium Series Organizers

gesis
Leibniz Institute
for the Social Sciences

NOKIA Bell Labs

ETH zürich

Symposium Series Organizational Partner

RWTHAACHEN
UNIVERSITY

London 2017

Inequality and
Imbalance

Zurich 2019

Polarization and
Radicalization

European Symposium Series on Societal Challenges in Computational Social Science

Cologne 2018



December 5th - 7th, 2018
Marriott and Maternushaus

The 2nd European Symposium on
Societal Challenges in Computational Social Science:
Bias and Discrimination
Cologne, December 5th - 7th, 2018

Symposium Series funded by
 VolkswagenStiftung

Pre-Symposium Day (Dec 5th)

Venue: Cologne Marriott Hotel

8:30 - 9:30	Registration					
9:30 - 13:00	<p>Workshop 1</p> <p>Linguistic Temporal Trajectory Analysis – A Dynamic Approach to Text Data (Part I)</p> <p>Organized by Bennett Kleinberg (University College London & University of Amsterdam), Isabelle van der Vegt (University College London) & Maximilian Mozes (Technical University of Munich)</p>	<p>Workshop 2</p> <p>1st Workshop on Reframing Research (RefResh 2018) (Part I)</p> <p>Organized by Andrea Mannocci (Open University), Francesco Osborne (Open University) & Paolo Manghi (Istituto di Scienza e Tecnologie dell'Informazione)</p>	<p>Workshop 3</p> <p>Doctoral Consortium (Part I)</p> <p>starts at 10:30 !</p>	<p>Workshop 4</p> <p>Dataset Challenge</p>	<p>Workshop 5</p> <p>1-Click Reproducibility: Lessons Learned and Best Practices in the Computational Social Sciences</p> <p>Organized by Arnim Bleier (GESIS – Leibniz-Institute for the Social Sciences)</p>	<p>Tutorial 1</p> <p>Computational Argumentation: Computational Analysis of Argumentation in Natural Language Text</p> <p>Organized by Henning Wachsmuth (Paderborn University)</p>
approx 11:00 - 11:30 Coffee Break						
13:00 - 14:30	Lunch Break					
14:30 - 18:00	<p>(Workshop 1 cont.)</p> <p>Linguistic Temporal Trajectory Analysis – A Dynamic Approach to Text Data (Part II)</p>	<p>(Workshop 2 cont.)</p> <p>1st Workshop on Reframing Research (RefResh 2018) (Part II)</p>	<p>(Workshop 3 cont.)</p> <p>Doctoral Consortium (Part II)</p>	<p>Workshop 6</p> <p>Biases in Social Computing Data and Technology</p> <p>Organized by Jana Diesner (University of Illinois)</p>	<p>Tutorial 2</p> <p>textnets. An R Package for Automated Text Analysis Using Network Techniques</p> <p>Organized by Friedolin Merhout (Duke University), Taylor Brown (Duke University) & Marcus Mann (Duke University)</p>	<p>Workshop 7</p> <p>Synchronous Online Experiments</p> <p>Organized by Stefano Balietti (Microsoft Research)</p>
approx 16:00 - 16:30 Coffee Break						
20:00	<p>Science Slam (Venue: Wohngemeinschaft), supported by</p> <div>   </div>					

Symposium Series Organizers

gesis
Leibniz Institute
for the Social Sciences

NOKIA Bell Labs

ETH zürich

Symposium Series Organizational Partner


RWTHAACHEN
UNIVERSITY

European Symposium Series on Societal Challenges in Computational Social Science

Cologne 2018

December 5th - 7th, 2018
Marriott and Maternushaus

The 2nd European Symposium on
Societal Challenges in Computational Social Science:
Bias and Discrimination
Cologne, December 5th - 7th, 2018

Symposium Series funded by
 VolkswagenStiftung

Symposium Day I (Dec 6th)

Venue: Maternushaus

8:15 - 9:30	Registration
9:30 - 9:45	Opening
9:45 - 10:20	Keynote Auditing for Bias in Search Engines • Christo Wilson
10:20 - 11:00	Session 1: Spotlight Talks for Posters 1 - 16 • Session Chair: Fabian Flöck
11:00 - 11:30	Coffee Break
11:30 - 12:10	#eurocss Special Guest Short Talks Digital Technologies and Access to News • Sandra González-Bailón Twitter's Tampered Samples and the Limitations of Big Data Sampling • Jürgen Pfeffer
12:10 - 12:50	Session 2: Spotlight Talks for Posters 17 - 33 • Session Chair: Fabian Flöck
12:50 - 14:15	Lunch Break & Poster Session
14:15 - 15:45	Session 3: Politics & Political Discourse • Session Chair: Katharina Kinder-Kurlanda Predicting Political Behavior and Attitudes Using Digital Trace Data • Ruben Bach, Christoph Kern, Ashley Amaya, Florian Keusch, Frauke Kreuter, Jan Hecht and Jonathan Heinemann The Politics of Social Media Images: Potentials and Biases of Image Recognition Algorithms for Studying Congressional Behavior • Carsten Schwemmer, Emily Bello-Pardo, Carly Knight, Stan Oklobdzija, Iacopo Pozzana, Martijn Schoonvelde and Jeff Lockhart The Role of Suspended Accounts in Political Discussion on Social Media: Analysis of the 2017 French, UK and German Elections • Silvia Majo-Vazquez, Mariluz Congosto, Tom Nicholls and Rasmus Nielsen Demonstrating Real-time, Transparency of Paid-for Political Ads on Social Media during a Political Campaign — A Case Study of 2018 Irish Referendum on the Eight Amendment • Liz Carolan, Craig Dwyer, Diane Payne and Killian McLoughlin Using Internet Search Data to Examine the Relationship between Anti-Muslim and Pro-ISIS Sentiment in U.S. counties • Friedolin Merhout, Christopher Bail and Peng Ding Understanding the Linguistic Trajectory of Far-right Abusive Language • Bennett Kleinberg, Isabelle van der Vegt and Paul Gill
15:45 - 16:15	Coffee Break
16:15 - 17:15	Session 4: Gender Bias • Session Chair: Anupama Aggarwal Finding Gender Bias in Web-based, High-trust Interactions • Pasquale De Meo, Iacopo Pozzana, Ylli Prifti and Alessandro Provetti Gender Bias in Sharenting: Both Men and Women Mention Sons More Often Than Daughters on Social Media • Elizaveta Sivak and Ivan Smirnov Gender, Resources, and Status: An Empirically Grounded Model of Status Construction Theory • André Grow Urban Mobility and Gender Through Mobile Phone Data • Ciro Cattuto, Laetitia Gauvin, Michele Tizzoni, Andre Panison, Simone Piagesi, Leo Ferres, Natalia Adler, Stefaan Verhulst and Andrew Young
17:15 - 17:50	Keynote Algorithmic Bias: From Discovery to Mitigation • Sara Hajian
18:30 - 21:00	❄️❄️❄️❄️ Informal Evening Event: Cologne Christmas Market ❄️❄️❄️❄️

Symposium Series Organizers

gesis
Leibniz Institute
for the Social Sciences

NOKIA Bell Labs

ETH zürich

Symposium Series Organizational Partner

RWTHAACHEN
UNIVERSITY

European Symposium Series on Societal Challenges in Computational Social Science

Cologne 2018

December 5th - 7th , 2018
Marriott and Maternushaus

The 2nd European Symposium on
Societal Challenges in Computational Social Science:

Bias and Discrimination

Cologne, December 5th - 7th, 2018

Symposium Series funded by



Symposium Day II (Dec 7th)		Venue: Maternushaus
9:30 - 9:45	Welcome	
9:45 - 10:20	Keynote Studying Migration with Digital Trace Data • Emilio Zagheni	
10:20 - 10:30	Presentation by Winner of Dataset Challenge supported by	
10:30 - 11:00	Session 5: Controversies • Session Chair: Juhi Kulshrestha Analyzing Racist Discourse on Facebook • Irfan Chaudhry and Anatoliy Gruzd Examining the Influence of Pro-vaccine and Anti-vaccine Videos on YouTube • Yunju Song and Anatoliy Gruzd	
11:00 - 11:30	Coffee Break	
11:30 - 12:30	Session 6: News, Media & Information • Session Chair: Heidi Schulze Understanding How News Outlets Target Audiences • Erick Elejalde, Leo Ferres and Rossano Schifanella Analysing Biases in Perception of Truth in News Stories and Their Implications for Fact Checking • Mahmoudreza Babaei, Juhi Kulshrestha, Abhijnan Chakraborty, Elissa Redmiles, Meeyoung Cha and Krishna Gummadi Media Bias Monitor: Quantifying Biases of Social Media News Outlets at Large-Scale • Filipe N. Ribeiro, Lucas Henrique, Fabricio Benevenuto, Abhijnan Chakraborty, Juhi Kulshrestha, Mahmoudreza Babaei and Krishna P. Gummadi Perceptions of Information Bias and Inequity Among Black Wikipedians • Boryung Ju and Brenton Stewart	
12:30 - 14:00	Lunch Break	
14:00 - 15:30	Session 7: Approaches & Methods • Session Chair: Fariba Karimi Ethics is a Smokescreen. Why Socially Just AI Innovation Requires a Rethinking of Technology, Data and Society Beyond Ethics • Mona Sloane Biases in Bibliometric Network Data and the Measurement of Triadic Closure • Jinseok Kim and Jana Diesner Vectors Against Social Discrimination • Orestis Papakyriakopoulos, Fabienne Marco and Simon Hegelich Combining Facebook and Traditional Survey Data to Nowcast Migrant Stocks in the United States • Monica Alexander, Kivan Polimis and Emilio Zagheni Identifying the Narrative Styles of YouTube's Vloggers • Maximilian Mozes, Isabelle van der Vegt and Bennett Kleinberg Fooling with Facts: Studying Anchoring Bias through a Large-scale Online Experiment • Jannie Reher and Taha Yasseri	
15:30 - 16:00	Coffee Break	
16:00 - 16:30	Session 8: Sharing Economy • Session Chair: Katrin Weller Simulating Income Distribution Inequalities in Ride-sharing Services • Eszter Bokanyi and Aniko Hannak Hosting the Comfortably Exotic: Cosmopolitan Aspirations in the Sharing Economy • Isak Ladegaard	
16:30 - 17:05	Keynote Where Does Data Bias Come from? With Notes on Fairness and the Uses and Limitations of Causal Reasoning • Emre Kiciman	
17:05 - 17:10	SocioPatterns Short Presentation	
17:10 - 17:20	Closing incl. Best Poster Award supported by	

Symposium Series Organizers



Symposium Series Organizational Partner

