

# 3<sup>rd</sup> European Symposium on Societal Challenges in Computational Social Science

Zurich 2019

September 2 - 4  
ETH Zürich

## Accepted Talks for Oral Presentation

### **Analyzing Political Polarization and Legislative Effectiveness Through Partitioning Networks of U.S. Congress Legislators**

Samin Aref and Zachary Neal

### **Brexit 2018 in Hashtags: Events, Tribes and User Engagement**

Hywel Williams and Iain Weaver

### **Clashing Norms - The Role of Network Structure in Normative Group Conflict**

Julian Kohne, Natalie Gallagher, Melis Kirgil, Lars Padmos, Rocco Paolillo and Fariba Karimi

### **Combined Agent Based Model and Experimental Approach to Polarization and Radicalization of Public Opinion**

Pawel Sobkowicz and Magdalena E Wojcieszak

### **Consequences of Polarization in Open Peer-production**

Juergen Lerner and Alessandro Lomi

### **Discourse vs. Voting: An Analysis of Polarization over 40 Years of the Portuguese Parliament**

Paulo Almeida, Lília Perfeito, Manuel Marques-Pita and Joana Gonçalves-Sá

### **Disinformation and Hyperpartisanship on Twitter During the 2018 Presidential Election in Brazil**

Raquel Recuero, Felipe Soares and Anatoliy Gruzd

### **"Hashjacking" the Debate: Polarisation Strategies of Germany's Political Far-right on Twitter**

Philipp Darius and Fabian Stephany

### **How Climate Change Skeptics Spread Their Ideas: A Multi-method Approach to Assess the Effect of Online Communication on Media Coverage**

Silke Adam, Thomas Häussler, Ueli Reber and Hannah Schmid-Petri

### **Integration and Diversity: Experiments on the Interplay Between Preferences and Group Formation**

Anxo Sanchez, Sanjeev Goyal, Penélope Hernández, Guillem Martínez, Frederic Moisan and Manuel Muñoz-Herrera

### **Local Governments and Native Attitudes Toward Immigration**

Elizabeth Dekeyser

### **Migration Policy Framing and Party Polarization – Evidence from Legislative Speeches in Canada and the US**

Sanja Hajdinjak, Marcella Morris and Tyler Amos

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## **No Country for Asylum Seekers? How Short-term Exposure to Refugees Influences Attitudes and Voting Behavior in Hungary**

Theresa Gessler, Gergo Toth and Johannes Wachs

## **On the Measurement of Party Polarization**

Yunkyu Sohn and James Fowler

## **Online Behavior and Cognitive Reflection: A Field Study on Twitter**

Mohsen Mosleh, Gordon Pennycook and David Rand

## **Polarisation of Online Media Consumption? Examining Whether Leavers and Remainers Read the Same News in the Brexit Referendum Campaign**

Clemens Jarnach

## **Political Coalitions and Divisions: Studying Polarisation with the Twitter Politician Database**

Livia van Vliet, Petter Törnberg and Justus Uitermark

## **Psychology and Morality of Political Extremists: Evidence from Twitter Language Analysis of Alt-Right and Antifa**

Meysam Alizadeh, Ingmar Weber, Claudio Cioffi-Revilla, Santo Fortunato and Michael Macy

## **Rhetorics of Radicalism**

Daniel Karell and Michael Freedman

## **Right-Wing Populism and Media in Direct Democratic Campaigns**

Clau Dermont, Theresa Gessler, Fabrizio Gilardi and Stefan Müller

## **Shifting Attitudes Toward Wealth Redistribution by the Government: An Experiment of Depolarization**

Stefano Balietti, Lise Getoor and Duncan Watts

## **Social Media Strategies of Right-Wing Movements - The Radicalization of Pegida**

Carsten Schwemmer

## **Socio-Economic Factors in News Consumption Using Mobile Phone Data**

Leo Ferres, Salvatore Vilella, Daniela Paolotti and Giancarlo Ruffo

## **The Joint Dynamics of Social Networks and Political Opinions: A Bipartite Network Approach to the Empirical Study of Polarization**

Kieran Mepham, Christoph Stadtfeld and András Vörös

## **The Re-presentation of Contentious Politics: Variations in Coverage of #UniteTheRight on Twitter**

Karsten Donnay, Jungseock Joo, Zachary Steinert-Threlkeld and Thomas Zeitzoff

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## **The Rise of Populist Challengers and the Reconfiguration of the European Political Space as a Challenge for Mathematical Models of Opinion Dynamics**

Eckehard Olbrich and Sven Banisch

## **Trolls, Bots and Everyone Else: Online Disinformation Campaigns and 2019 Presidential Elections in Ukraine**

Mykola Makhortykh and Aleksandra Urman

## **Uphill from Here: Sentiment Patterns in Videos from Left- and Right-wing YouTube News Channels**

Felix Soldner, Justin Chun-Ting Ho, Mykola Makhortykh, Isabelle van der Vegt, Maximilian Mozes and Bennett Kleinberg

## Accepted Spotlight Talks and Posters

### **A Bayesian Spreading Model for Online Rumors**

Christof Naumzik and Stefan Feuerriegel

### **A Little Knowledge is a Dangerous Thing: Excess Confidence Explains Negative Attitudes Towards Science**

Frederico Francisco, Simone Lackner and Joana Gonçalves-Sá

### **A Sinister Way of Trolling: Disguising the Real Identity**

Melih Kırıldoğ

### **A Study of Confirmation Bias and Polarization in Information Behavior**

Simone Kopeinik, Paul Seitlinger and Elisabeth Lex

### **“Bot Don’t Support Them!” Twitter Bots and Popular Protest in Russia, 2015 – 2018**

Denis Stukal, Sergey Sanovich, Joshua A. Tucker and Richard Bonneau

### **Climate Change Debate on Reddit**

Kathie Treen

### **Computer-assisted Discourse Analysis of the Political Economy of Coal Transitions**

Finn Müller-Hansen, Max Callaghan, Yuan Ting Lee, Anna Leipprand, Christian Flachsland and Jan Minx

### **Contentious Diffusion: Studying Polarization Dynamics Through Signed Network Extraction on Social Media**

Petter Törnberg, Anna Keuchenius and Livia van Vliet

### **Cross-Cutting Political Awareness Through Diverse News Recommendations**

Bibek Paudel and Abraham Bernstein

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## **Deliberative Platform Design: The Case of Decidim Barcelona**

Pablo Aragón, Andreas Kaltenbrunner, Antonio Calleja-López, Andrés Pereira de Lucena, Arnau Monterde, Xabier Barandarian and Vicenc Gómez

## **Detecting Foreign Influence Operations' Content on Social Media**

Meysam Alizadeh, Jacob Shapiro, Cody Buntain and Joshua Tucker

## **Echo Chambers and Polarisation on Facebook During the German Federal Election Campaign 2017**

Wolf Schünemann and Stefan Steiger

## **Empirical Detection of Tipping Points Using Complexity Science**

Neal Tsur, Lev Muchnik and Dan Miodownik

## **Examining Performance Capital and Gender-based Homophily Among Musicians on YouTube**

Anatoliy Gruzd and Jaigris Hodson

## **Exploiting Weak Ties in Trust-based Recommender Systems Using Regular Equivalence**

Tomislav Duricic, Emanuel Lacic, Dominik Kowald and Elisabeth Lex

## **Guess Who's Coming to Dinner: Polarization in Campaign Fundraising Event Networks**

Michael Kowal

## **Locating Radical and Moderate Messages in a Fragmented Media Landscape: The Case of Jobbik in Hungary**

Endre Borbáth and Theresa Gessler

## **Modeling Artist Preferences of Users with Different Music Consumption Patterns for Fair Music Recommendations**

Dominik Kowald, Elisabeth Lex and Markus Schedl

## **Modeling Propaganda Battle: Decision-Making, Homophily, and Echo Chambers**

Olga Proncheva and Alexander Petrov

## **Modeling Radicalization Dynamics in Activity-driven Networks**

Fabian Baumann, Philipp Lorenz-Spreen, Michele Starnini and Igor M. Sokolov

## **Modeling the Subnational Risk of Acute Malnutrition in Conflict-Affected Settings**

Mirko Reul, Ravi Bhavnani and Karsten Donnay

## **Modelling Collective Decision-making in Policy Networks**

Maxime Stauffer, Igor Krawczuk and Nora Ammann

## **MoralStrength: Exploiting a Moral Lexicon and Embedding Similarity for Moral Foundations Prediction**

Oscar Araque, Lorenzo Gatti and Kyriaki Kalimeri

## **Neural Learning of Misinformation Cascades from Propagation Dynamics**

Francesco Paolo Ducci, Stefan Feuerriegel and Mathias Kraus

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## **Online and Offline Polarisation of Opinions in the Context of the European Migrant Crisis**

Sander Salvet

## **Online Influence, Offline Violence: Linguistic Responses to the ‘Unite the Right’ Rally**

Isabelle van der Vegt, Maximilian Mozes, Paul Gill and Bennett Kleinberg

## **On-line Page Scraping Reveals Evidence of Moderation in 4chan/pol/ Anonymous Discussion Threads**

Iacopo Pozzana, Ylli Prifti and Alessandro Provetti

## **Pitfalls in Analyzing Polarization**

Tugrulcan Elmas and Karl Aberer

## **Polarisation and Politicisation in Social Exposure to Climate Change Information**

Tristan J. B. Cann, Iain S. Weaver and Hywel T. P. Williams

## **Polarization and Radical “Otherness” During Indian Elections: Public Sphere in the Cyber-South**

Narayanamoorthy Nanditha

## **Predicting Offline Political Support with Online Social Behavior**

Giona Casiraghi, Simon Schweighofer, Laurence Brandenberger and Frank Schweitzer

## **Predicting the Populist Vote**

Liam Beiser-McGrath and Robert Huber

## **Social Feedback Theory of Opinion Expression and Polarisation**

Sven Banisch, Felix Gaisbauer and Eckehard Olbrich

## **Strategic Complexity and Political Reflection in a Foreign Language – Evidence from Reddit**

Soenke Ehret

## **The Influence of Activists on Political Polarization**

Lucas Böttcher, Pedro Montealegre, Eric Goles and Hans Gersbach

## **The Revealing Relationship Between the Replacement Conspiracy Theory and the Right Wing Populist Parties**

Taehee Kim, Michael Jankowski and Markus Tepe

## **Transnationalisation Patterns in Media Consumption of Populist Radical Right Parties’ Twitter Followers in Germany, Switzerland and Austria**

Aleksandra Urman

## **Trolling in the Deep: Mapping White Supremacy Groups Across the Internet from Surface to Dark Web**

Kathleen Moore, Lisa Colelli, Emma Leonard and Ariel Kennedy

## **Twitter Networks of Voter (De)mobilization in the 2018 Municipal Elections in Jerusalem: A Mixed-Methods Analysis**

Neta Kligler-Vilenchik, Maya de Vries, Daniel Maier and Daniela Stoltenberg

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## **Understanding Emotional Language in Political Speech**

Gloria Genarro and Elliott Ash

## **We Know What You Will Do Next Summer - A Deep Learning Approach to Predict Internet Voting Use with Electoral Register Data**

Uwe Serdült and Mate Kovacs

## **Who Shares Fake News on Online Social Networks? An Agent-based Model to Study the Spread of Misinformation in Social Media**

Poornima Belavadi, Laura Burbach, Patrick Halbach, Martina Ziefle and André Calero Valdez

Symposium Series Organizers

Symposium Series funded by