<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 - 9:00</td>
<td>Registration</td>
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| 9:00 - 12:30 | Workshop 1 | Dataset Challenge 2019: Machine Behavior Datathon  
Chair: Aniko Hannak (Complexity Science Hub Vienna & Vienna University of Economics and Business) and Simon Schweighofer (Complexity Science Hub Vienna & Medical University of Vienna)  
Mentors: Jürgen Pfeffer (TU Munich) and Viktoria Spaiser (University of Leeds) |
| 9:00 - 12:30 | Workshop 2 | Doctoral Consortium  
I starts at 10:30 I  
(closed workshop, accepted applicants only) |
| 9:00 - 12:30 | Workshop 3 | Challenges and Opportunities in Automated Coding of Contentious Political Events  
Organized by Erdem Yörük (Koç University & University of Oxford), Ali Hürtreyoğlu (Koç University), Çağrı Yoltar (Koç University), Fırat Durusam (Ankara University & Koç University), Osman Mutlu (Koç University) and Aline Villavicencio (University of Essex) |
| 9:00 - 12:30 | Workshop 4 | Validating Models of Opinion Polarization in the Digital Era  
Organized by Michael Mäs (University of Groningen), Jan Lorenz (Jacobs University Bremen), Marjin Keijzer (University of Groningen), Andreas Flache (University of Groningen) |
| 9:00 - 12:30 | Workshop 5 | A Gentle Introduction to Word Embeddings for Computational Social Sciences  
Organized by Maximilian Mozes (University College London) and Bennett Kleinberg (University College London) |
| 9:00 - 12:30 | Tutorial 1 | Introduction to Multi-edge Network Inference in R Using the Ghypernet-package  
Organized by Giona Casiraghi (ETH Zürich) and Laurence Brandenberger (ETH Zürich) |
| 10:30 - 11:00 | Coffee Break | |
| 12:30 - 14:00 | Individual Lunch Break (lunch voucher provided) | |
| 14:00 - 17:30 | (Workshop 1 cont.) | Dataset Challenge 2019: Machine Behavior Datathon |
| 14:00 - 17:30 | (Workshop 2 cont.) | Doctoral Consortium  
I ends at 18:00 I |
| 14:00 - 17:30 | (Workshop 3 cont.) | Challenges and Opportunities in Automated Coding of Contentious Political Events |
| 14:00 - 17:30 | Tutorial 2 | Higher-Order Network Analytics for Time-Stamped Data on Social Interactions  
Organized by Ingo Scholtes (University of Wuppertal & University of Zurich) |
| 14:00 - 17:30 | Tutorial 3 | Polarization on Social Media  
Organized by Kiran Garimella (Massachusetts Institute of Technology), Gianmarco De Francesco Morales (ISI Foundation), Michael Mathioudakis (University of Helsinki) and Aristides Gionis (Aalto University) |
| 14:00 - 17:30 | Tutorial 4 | Designing and Conducting Online Experimental Studies in Social Networks  
Organized by Mohsen Mosleh (Massachusetts Institute of Technology) |
| 15:30 - 16:00 | Coffee Break | |
| 20:00 | Science Slam | Venue: bQm Culture Café & Bar |
# Symposium Day 1 (Tuesday, Sep 3)

## Venue: ML Building

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>8:30 - 9:00</td>
<td>Registration</td>
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<tr>
<td>9:00 - 9:15</td>
<td>Opening</td>
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| 9:15 - 10:45 | Keynote: Alice E. Marwick  
Disinformation in Context: Understanding Qualitative Approaches to Social Media Manipulation  
Discussant: Lena Frischlich |
| 10:45 - 11:15 | Coffee & Posters                           |
| 11:15 - 12:15 | Session 1: Misinformation and Censorship  
Chair: David García  
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 Veg, Maximillian Mozes and Bennett Kleinberg  
Trolls, Bots and Everyone Else: Online Disinformation Campaigns and 2019 Presidential Elections in Ukraine · Mykola Makhortykh and Aleksandra Urman  
Online Behavior and Cognitive Reflection: A Field Study on Twitter · Mohsen Mosleh, Gordon Pennycook and David Rand  
Socio-Economic Factors in News Consumption Using Mobile Phone Data · Leo Ferres, Salvatore Vilie, Daniela Paolotti and Giancarlo Ruffo  
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  
Disinformation and Hyperpartisanship on Twitter During the 2018 Presidential Election in Brazil · Raquel Recuero, Felipe Soares and Anatoliy Gruzd |
| 12:15 - 12:45 | Poster Spotlight Talks I  
Chair: Laurence Brandenberger  
A Little Knowledge is a Dangerous Thing: Excess Confidence Explains Negative Attitudes Towards Science · Frederico Francisco, Simone Lackner and Joana Gonçalves-Sá  
Neural Learning of Misinformation Cascades from Propagation Dynamics · Francesco Paoloucci, Stefan Feuerriegel and Mathias Kraus  
Modelling Collective Decision-making in Policy Networks · Maxime Stauffer, Ikg Krawcruk and Nora Ammann  
A Sinister Way of Trolling: Disguising the Real Identity · Mith Ilkirdog  
Modeling the Subnational Risk of Acute Malnutrition in Conflict-Affected Settings · Mirko Reul, Ravi Bhavnani and Karsten Donnay  
Locating Radical and Moderate Messages in a Fragmented Media Landscape: The Case of Jobbik in Hungary · Endre Borbé and Theresa Gessler  
Who Shares Fake News on Online Social Networks? An Agent-based Model to Study the Spread of Misinformation in Social Media · Poonimma Belavadi, Laura Burbach, Patrick Hallbach, Martina Ziefle and André Calero Valdez  
A Bayesian Spreading Model for Online Rumors · Christof Naumzik and Stefan Feuerriegel  
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  
Online Influence, Offline Violence: Linguistic Responses to the ‘Unite the Right’ Rally · Isabelle van der Veg, Maximilian Mozes, Paul Gill and Bennett Kleinberg  
Online and Offline Polarisation of Opinions in the Context of the European Migrant Crisis · Sander Salvet  
Social Feedback Theory of Opinion Expression and Polarisation · Sven Banisch, Felix Gaisbauer and Eckehard Olbrich

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**Symposium Series Organizers**

gesis  
Nokia Bell Labs  
ETH Zürich

**Symposium Series Organizational Partner**

RWTH Aachen University
### Symposium Day 1 (Tuesday, Sep 3)

**Venue:** ML Building

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<th>Session/Activity</th>
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<tr>
<td>12:15 - 12:45</td>
<td>On-line Page Scraping Reveals Evidence of Moderation in 4chan/pol/ Anonymous Discussion Threads · Iacopo Pozzana, Ylli Prifti and Alessandro Provetti</td>
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<td>Echo Chambers and Polarisation on Facebook During the German Federal Election Campaign 2017 · Wolf Schünemann and Stefan Steiger</td>
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<td>Modeling Propaganda Battle: Decision-Making, Homophily, and Echo Chambers · Olga Proncheva and Alexander Petrov</td>
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<td>Climate Change Debate on Reddit · Kathie Treen</td>
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<td>Theoretical Differences Between Extreme and Polarized Opinions · André Martins</td>
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<td>Contentious Diffusion: Studying Polarization Dynamics Through Signed Network Extraction on Social Media · Petter Tömberg, Anna Keuchenius and Livia van Vliet</td>
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<td>A Study of Confirmation Bias and Polarization in Information Behavior · Simone Kopeinik, Paul Settlinger and Elisabeth Lex</td>
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<td>Pitfalls in Analyzing Polarization · Tugrulcan Elmas and Karl Aberer</td>
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<td>Strategic Complexity and Political Reflection in a Foreign Language – Evidence from Reddit · Soenke Ehret</td>
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<td>Cross-Cutting Political Awareness Through Diverse News Recommendations · Bibek Paudel and Abraham Bernstein</td>
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<tr>
<td>12:45 - 14:00</td>
<td>Lunch &amp; Posters</td>
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<td>14:00 - 15:20</td>
<td>Session 2: Discourse Polarization and Echo Chambers · Chair: Frank Schweitzer</td>
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<td>The Re-presentation of Contentious Politics: Variations in Coverage of #UniteTheRight on Twitter · Karsten Donnay, Jungseock Joo, Zachary Steinert-Threlkeld and Thomas Zeitzoff</td>
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<td>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</td>
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<td>Autocratic Propaganda in Global Perspective · Erin Baggott and Brett Carter</td>
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<td>Migration Policy Framing and Party Polarization – Evidence from Legislative Speeches in Canada and the US · Sanja Hajdinjak, Marcella Morris and Tyler Amos</td>
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<td>Polarisation of Online Media Consumption? Examining Whether Leavers and Remainers Read the Same News in the Brexit Referendum Campaign · Clemens Jarnach</td>
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<td>“Hashjacking” the Debate: Polarisation Strategies of Germany’s Political Far-right on Twitter · Philipp Darius and Fabian Stephany</td>
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<td>Rhetorics of Radicalism · Daniel Karel and Michael Freedman</td>
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<td>Political Coalitions and Divisions: Studying Polarisation with the Twitter Politician Database · Livia van Vliet, Petter Tömberg and Justus Uitermark</td>
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<tr>
<td>15:20 - 15:50</td>
<td>Coffee &amp; Posters</td>
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<tr>
<td>15:50 - 17:20</td>
<td>Keynote: Philip Leifeld · Polarization and the Evolution of Coalitions in Public Policy Debates · Discussant: Axel Bruns</td>
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<td>17:20 - 18:00</td>
<td>#eurocss Special Guests’ Short Talks</td>
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<td>Jürgen Pfeffer · So What? Towards Measuring Real-world Impact of Online Manipulation</td>
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<td>Viktoria Spaiser · Polarized Ukraine 2014: Opinion and Territorial Split Demonstrated with the Bounded Confidence XY Model, Parametrized by Twitter Data</td>
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<td>Simon Schweighofer · A Weighted Balance Model of Opinion Hyperpolarization</td>
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Symposium Day 2 (Wednesday, Sep 4)  
Venue: ML Building

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00 - 9:05</td>
<td>Welcome and Announcements</td>
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| 9:05 - 10:35  | **Keynote: Andreas Flache** From Consensus to Polarization and Back. Creating a Dialogue Between Abstract Computational Models and Empirical Data  
Discussant: Carter Butts |
| 10:35 - 11:05 | Coffee & Posters                                                     |
| 11:05 - 12:15 | **Session 3: Online and Offline Group Formation**  
Chair: Frank Schweitzer  
Social Media Strategies of Right-Wing Movements – The Radicalization of Pegida · Carsten Schwemmer  
Consequences of Polarization in Open Peer-production · Juergen Lerner and Alessandro Lomi  
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 Dekeysre  
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  
Brexit 2018 in Hashtags: Events, Tribes and User Engagement · Hywel T. P. Williams and Iain S. Weaver  
Clashing Norms – The Role of Network Structure in Normative Group Conflict · Julian Kohne, Natalie Gallagher, Melis Kirgil, Lars Padmos, Rocco Paoliillo and Fariba Karimi |
| 12:15 - 12:45 | Poster Spotlight Talks II  
Chair: Laurence Brandenberger  
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  
Deliberative Platform Design: The Case of Decidim Barcelona · Pablo Aragón, Andreas Kaltenbrunner, Antonio Calleja-López, Andrés Pereira de Lucena, Arnau Monterde, Xabier Barandarian and Vicenç Gómez  
Modeling Artist Preferences of Users with Different Music Consumption Patterns for Fair Music Recommendations · Dominik Kowald, Elisabeth Lex and Markus Schedl  
Transnationalisation Patterns in Media Consumption of Populist Radical Right Parties’ Twitter Followers in Germany, Switzerland and Austria · Aleksandra Urman  
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  
Empirical Detection of Tipping Points Using Complexity Science · Neal Tsur, Lev Muchnik and Dan Mlodownik  
Exploiting Weak Ties in Trust-based Recommender Systems Using Regular Equivalence · Tomislav Duricic, Emanuel Lacic, Dominik Kowald and Elisabeth Lex  
Examining Performance Capital and Gender-based Homophily among Musicians on YouTube · Anatoliy Gruzd and Jaigris Hodson  
Modeling Radicalization Dynamics in Activity-driven Networks · Fabian Baumann, Philipp Lorenz-Spreen, Michele Stamini and Igor M. Sokolov  
Predicting Offline Political Support with Online Social Behavior · Giona Casiraghi, Simon Schweighofer, Laurence Brandenberger and Frank Schweitzer  
The Influence of Activists on Political Polarization · Lucas Böttcher, Pedro Montealegre, Eric Goles and Hans Gersbach  
Polarisation and Politicisation in Social Exposure to Climate Change Information · Tristan J. B. Cann, Iain S. Weaver and Hywel T. P. Williams  
Twitter Networks of Voter (De)mobilization in the 2016 Municipal Elections in Jerusalem: A Mixed-Methods Analysis · Neta Kliger-Vilenchik, Maya de Vries, Daniel Maier and Daniela Stoltenberg |
## Symposium Day 2 (Wednesday, Sep 4) cont.

### Partisan Media and Direct Democracy: Evidence from U.S. Cable News Channels · Sergio Galletta
- Understanding Emotional Language in Political Speech · Gloria Genarro and Elliott Ash
- Polarization and Radical “Otherness” During Indian Elections: Public Sphere in the Cyber-South · Narayanamoothy Nanditha
- Predicting the Populist Vote · Liam Beiser-McGrath and Robert Huber

### MoralStrength: Exploiting a Moral Lexicon and Embedding Similarity for Moral Foundations Prediction · Oscar Araque, Lorenzo Gatti and Kyrstia Kalimeri
- The Revealing Relationship Between the Replacement Conspiracy Theory and the Right Wing Populist Parties · Taeehee Kim, Michael Jankowski and Markus Tepe
- Welfare State Support and Stereotypes Towards Recipients · Dorian Tsolak and Simon Kühne
- From Opinion Dynamics to Identity Dynamics: Polarization as the Political Logic of Late Capitalism · Petter Törnberg
- Resolving False Perceptions in Social Networks · Ebrahim Patel and Beatrix Warren
- Detecting Foreign Influence Operations’ Content on Social Media · Meysam Alizadeh, Jacob Shapiro, Cody Buntain and Joshua Tucker
- Guess Who’s Coming to Dinner: Polarization in Campaign Fundraising Event Networks · Michael Kowal

### Session 4: Political Polarization and Populism  
Chair: David García
- On the Measurement of Party Polarization · Yunkyu Sohn and James Fowler
- Right-Wing Populism and Media in Direct Democratic Campaigns · Clau Dermont, Theresa Gessler, Fabrizio Gilardi and Stefan Müller
- 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
- 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
- Analyzing Political Polarization and Legislative Effectiveness Through Partitioning Networks of U.S. Congress Legislators · Samin Aref and Zachary Neal
- Combined Agent Based Model and Experimental Approach to Polarization and Radicalization of Public Opinion · Pawel Sobkowicz and Magdalena Wojcieszak
- Voter Information and Learning in the US 2016 Presidential Election: Evidence from a Panel Survey Combined with Direct Observation of Social Media Activity · Jonathan Nagler, Greg Eady, Jan Zillinsky and Josh Tucker
- 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
- Shifting Attitudes Toward Wealth Redistribution by the Government: An Experiment of Depolarization · Stefano Balleiti, Lise Getoor and Duncan Watts

### Lunch & Posters

### Keynote: Helen Margetts  
Measuring Hate: Fears and Hopes  
Discussant: Simon Hug

### Closing & Awards
- SAGE Best Presentation Award · EPJ Data Science Best Poster Award
- Euro CSS Symposium Dataset Challenge Award · Euro CSS Symposium Science Slam Award