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Frank Schweitzer, ETH Zürich

Organizing Committee

Symposium Series funded by
 VolkswagenStiftung

3rd European Symposium on Societal Challenges in Computational Social Science

Symposium Chairs

David García, Complexity Science
Hub Vienna & Med. Uni. Vienna
Frank Schweitzer, ETH Zürich

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September 2nd - 4th
Zurich 2019

ETH Zürich

**Polarization
and
Radicalization**

Programme

Symposium Series Organizers

Symposium Series Organizational Partner



**London
2017**

**Cologne
2018**

European Symposium Series on Societal Challenges in Computational Social Science

Zurich 2019

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Pre-Symposium Day (Monday, Sep 2)

Venue: ETH Zürich HG Building
Registration: ML Building

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

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Symposium Day 1 (Tuesday, Sep 3)

Venue: ML Building

8:30 - 9:00	Registration
9:00 - 9:15	Opening
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 Garcia 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 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 Vilella, 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 Gruz
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 Paolo Ducci, Stefan Feuerriegel and Mathias Kraus "Bot Don't Support Them!" Twitter Bots and Popular Protest in Russia, 2015–2018 · Denis Stukal, Sergey Sanovich, Joshua A. Tucker and Richard Bonneau Modelling Collective Decision-making in Policy Networks · Maxime Stauffer, Igor Krawczuk and Nora Ammann A Sinister Way of Trolling: Disguising the Real Identity · Melih Kırıldoğ 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 Borbáth and Theresa Gessler 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 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 Vegt, Maximilian Mozes, Paul Gill and Bennett Kleinberg Online and Offline Polarisation of Opinions in the Context of the European Migrant Crisis · Sander Salvat Social Feedback Theory of Opinion Expression and Polarisation · Sven Banisch, Felix Gaisbauer and Eckehard Olbrich

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Symposium Day 1 (Tuesday, Sep 3) cont.

Venue: ML Building

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

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Symposium Day 2 (Wednesday, Sep 4)

Venue: ML Building

9:00 - 9:05	Welcome and Announcements
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 Dekeyser 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 Paolillo 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 Vícenç 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 Miodownik 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 Starnini 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 2018 Municipal Elections in Jerusalem: A Mixed-Methods Analysis · Neta Kligler-Vilenchik, Maya de Vries, Daniel Maier and Daniela Stoltenberg

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Venue: ML Building

12:15 - 12:45 (cont.)	<p>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 · Narayanamoorthy 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 Kyriaki Kalimeri The Revealing Relationship Between the Replacement Conspiracy Theory and the Right Wing Populist Parties · Taehee 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</p>
12:45 - 14:00	Lunch & Posters
14:00 - 15:30	<p>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 Zilinsky 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 Ballelli, Lise Getoor and Duncan Watts</p>
15:30 - 16:00	Coffee & Posters
16:00 - 17:30	<p>Keynote: Helen Margetts Measuring Hate: Fears and Hopes Discussant: Simon Hug</p>
17:30 - 18:00	<p>Closing & Awards</p> <p>SAGE Best Presentation Award · EPJ Data Science Best Poster Award Euro CSS Symposium Dataset Challenge Award · Euro CSS Symposium Science Slam Award</p>

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