

The 13th International Conference on Social Informatics

University of Glasgow

October 19th-21st, 2022

Conference Programme



SOC 2022
INFO

**WORLD
CHANGING
GLASGOW**

THE SUNDAY TIMES
GOOD
UNIVERSITY
GUIDE
2022
SCOTTISH
UNIVERSITY
OF THE YEAR



Welcome to SocInfo 2022

On behalf of the University of Glasgow, Adam Smith Business School, and School of Computing Science, the conference committee would like to wish you a warm welcome to the 13th International Conference on Social Informatics. Soc Info is an interdisciplinary conference which aims to bring together researchers from the computational and social sciences to bridge the gap between the two communities. It provides an opportunity for practitioners from the two disciplines to define common research objects, explore methodologies, and disseminate knowledge.

We hope you all find the conference to be an enjoyable experience whether attending online or in person!

Kind regards,

The Conference Committee

Keynote Speakers 2022



Edgar Meij

Bloomberg Engineering's Artificial
Intelligence Group

Keynote on the 19th October

Modelling and Quantifying Uncertainty
in Economic Indicators



**Piyushimita (Vonu)
Thakuriah**

Rutgers University

Keynote on the 20th October

Exploring the Links Between Travel
Behaviour and Physical Distancing in
Pre-Pandemic Daily Life Using
Lifelogging Images and Survey Data



Michael Haenlein

ESCP Business School

Keynote on the 21st October

Panem et Circenses: Some Thoughts
on the Video Game Ecosystem

Panel – Toxic Phenomena on Social Media

To stay true to the conference's interdisciplinary character, the panel consists of research experts in Marketing, Communication & Media, Psychology, Criminology, and Computer Science.

Panel Chairperson

Dr Tim Storer

Panel Members

Prof Sarah Pedersen

Prof Michael Haenlein

Dr Yonne Skipper

Dr Janos Szakolczai

Wednesday, 19th October

Location			Room 422/423, Sir Alwyn Williams Building, School of Computing Science, Glasgow, G12 8RZ
09:00	09:15	Opening	
09:15	10:15	Keynote 1	Edgar Meij - Modelling and Quantifying Uncertainty in Economic Indicators
10:15	10:30	Coffee Break	
10:30	11:50	Session 1 - Disinformation	Uncovering Discussion Groups on Claims of Election Fraud from Twitter (Jose Martins da Rosa Junior, Renan Saldanha Linhares, Carlos Henrique Gomes Ferreira, Gabriel Nobre, Fabricio Murai and Jussara Almeida) Comparative Analysis of Engagement, Themes, and Causality of Ukraine-Related Debunks and Disinformation (Iknoor Singh, Kalina Bontcheva, Xingyi Song and Carolina Scarton) On the Presence of Abusive Language in Mis/Disinformation (Breno Matos, Rennan Lima, Jussara Almeida, Rodrygo Santos and Marcos Goncalves) Deception Detection with Feature-Augmentation by soft Domain Transfer (Sadat Shahriar, Arjun Mukherjee and Omprakash Gnawali)
11:50	12:05	Coffee Break	
12:05	13:00	Lightning talks / Posters (Abstracts)	Multi-agent Simulation Considering Human Travel and Mobility Network (Ryoya Watanabe, Daiki Takamura, Fumito Ihara, Naoki Wakabayashi, Takumi Sugiura, Daiki Kishimoto and Satoshi Kurihara) Twitter-based Classification of Political Ideologies (Jinghui Chen and Takayuki Mizuno) Novel Data Collection Algorithm: Towards the Detection of Coordinated Inauthentic Likes and Retweets (Laura Jahn and Rasmus K. Rendsvig) Echo Chambers and American and Chinese Public Diplomacy (Takayuki Mizuno, Shohei Doi, Shuhei Kurizaki and Masashi Toyoda) Common Data Quality Metrics May Mask Deeper Data Problems in Online Survey Experiments (John Ternovski and Jessica Lasky-Fink) Activity space approach to migrant segregation in Istanbul (Bilgecag Aydogdu, Marco Mikulin, Cagla Balcik, Subhi Gunes and Albert Ali Salah)
13:00	14:00	Lunch Break	

14:00	15:20	Session 2 - Polarisation	(Im)balance in the Representation of News? An Extensive Study on a Decade Long Dataset from India (Souvic Chakraborty, Pawan Goyal and Animesh Mukherjee) Linguistic and News-sharing Polarization During the 2019 South American Protests (Ramon Villa-Cox, Helen Zeng, Ashiqur R. Khudabukhsh and Kathleen Carley) Polarizing Opinion Dynamics with Confirmation Bias (Tianyi Chen, Xu Wang and Charalampos Tsourakakis) A Heterophily-based Polarization Measure for Multi-community Networks (Sreeja Sreekantan Nair and Adriana Iamnitchi)
15:20	15:35	Coffee Break	
15:35	16:35	Session 3 - Bots	The interaction of bots and humans in discussion of the Russia/Ukraine war (Bridget Smart, Joshua Watt, Sara Benedetti, Lewis Mitchell and Matthew Roughan) Communities, Gateways, and Bridges: Measuring Attention Flow in the Reddit Political Sphere (Cesare Rollo, Gianmarco De Francisci Morales, Corrado Monti and André Panisson) User-Based Stance Analysis for Mitigating the Impact of Social Bots on Measuring Public Opinion with Stance Detection in Twitter (Ali Almadan and Mary Lou Maher)
18:00	TBD	Drinks Reception	Drinks Reception with the Lord Provost of Glasgow at the city chambers City Chambers, George Square, Glasgow, G2 1DU

Thursday, 20th October

Location		Room 422/423, Sir Alwyn Williams Building, School of Computing Science, Glasgow, G12 8RZ	
09:00	10:00	Session 4 - COVID	"The Times They Are-a-Changin'": The Effect of the Covid-19 Pandemic on Online Music Sharing in India (Tanvi Kamble, Pooja Desur, Amanda Krause, Vinoo Alluri and Ponnurangam Kumaraguru) Measuring COVID-19 Vaccine Hesitancy: Consistency of Social Media with

			Surveys (Ninghan Chen, Xihui Chen, Jun Pang, Liyousew Borga, Conchita D'Ambrosio and Claus Vögele) Changes in Policy Preferences in German Tweets during the COVID Pandemic (Felix Biessmann)
10:00	10:15	Coffee Break	
10:15	11:30	Session 5 – Location + Mobility	Evaluating the Impact of AI-based Priced Parking with Social Simulation (Jakob Kappenberger, Kilian Theil and Heiner Stuckenschmidt) A Quantitative Field Study of a Persuasive Security Technology in the Wild (John Paul Vargheese, Matthew Collinson and Judith Masthoff) The side effect of ERC-20 standard in Social Media platforms (Barbara Guidi and Andrea Michienzi) Nostalgic Analysis of Location Based Tweets (Larissa Gao, Lingzi Hong and Afra Mashhadi)
11:30	11:45	Coffee Break	
11:45	13:00	Session 6 – UGC and Miscellaneous	OMGMO: Original Multi-modal Dataset of Genetically Modified Organisms in African Agriculture (Daniel Grzenda, Trevor Spreadbury, Joeva Rock, Brian Dowd-Urbe and David Uminsky) Towards an Expectation-Oriented Model of Public Service Quality: A Preliminary Study of NYC 311 (Julia Hsin-Ping Hsu, Jieshu Wang and Myeong Lee) Retention and Relapse in Gambling Self-Help Communities on Reddit (Niklas Hopfgartner, Thorsten Rupprechter and Denis Helic) More of the Same? A Study of Images Shared on Mastodon's Federated Timeline (Gabriel Nobre, Carlos Ferreira and Jussara Almeida)
13:00	14:00	Lunch Break	
14:00	15:00	Keynote 2 (remote)	Piyushimita (Vonu) Thakuriah - Exploring the Links Between Travel Behaviour and Physical Distancing in Pre-pandemic Daily Life Using Lifelogging Images and Survey Data
15:00	15:15	Coffee Break	
15:15	16:30	Session 7 – Political Topics	Reliability of News and Toxicity in Twitter Conversations (Alessandro Quattrociocchi, Gabriele Etta, Michele Avalle, Matteo Cinelli and Walter Quattrociocchi) XAI Analysis of Online Activism to Capture Integration in Irish Society through Twitter (Arjumand Younus, Muhammad Atif Qureshi, Mingyeong Jeon, Arefeh Kazemi and Simon Caton)

			Characterizing Early Electoral Advertisements on Twitter: A Brazilian Case Study (Josemar Caetano, Samuel Guimarães, Marcelo Mascarenhas Ribeiro de Araújo, Márcio Silva, Júlio Reis, Ana P. C. Silva, Fabrício Benevenuto and Jussara Almeida) Mitigating Harmful Content on Social Media Using An Interactive User Interface (Gautam Kishore Shahi and William Kana Tsoplefack)
19:00		Gala Dinner	Hosted at the Grosvenor Hotel - 1-9 Grosvenor Terrace, Glasgow, G12 0TB

Friday, 21st October

Location			Room 422/423, Sir Alwyn Williams Building, School of Computing Science, Glasgow, G12 8RZ
09:00	10:00	Keynote 3	Michael Haenlein - Panem et Circenses: Some Thoughts on the Video Game Ecosystem
10:00	10:15	Coffee Break	
10:15	11:30	Panel session	Toxic Phenomena on Social Media Chairperson: Dr Tim Storer Panel Members Prof Sarah Pedersen Prof Michael Haenlein Dr Yvonne Skipper Dr Janos Mark Szakolczai
11:30	11:45	Coffee Break	
11:45	12:55	Session 8 – Health & Well-being	Mental Health Issues during COVID-19: A data Exploration (Joemon Jose and Salwa Althobaity) Online Social Integration and Depressive Symptoms in Adolescents (Elizaveta Sivak, Ivan Smirnov and Yulia Dementeva) Harnessing Unsupervised Word Translation to Address Resource

			Inequality for Peace and Health (Ashiqur Khudabukhsh, Shriphani Palakodety and Tom Mitchell) Bullying in Online Brand Communities - Exploring Consumers' Intentions to Intervene (Jan Breitsohl, Nadia Jiménez, Phil Megicks, Ioannis Krasonikolakis, Stratos Ramoglou, Ulf Aagerup and Catherine Happer)
12:55	14:00	Lunch Break	
14:00	15:05	Session 9 - Gender	Don't Take it Personally: Analyzing Gender and Age Differences in Ratings of Online Humor (J.A. Meaney, Steven R. Wilson, Luis Chiruzzo and Walid Magdy) Unpacking Gender Stereotypes in Film Dialogue (Yulin Yu, Yucong Hao and Paramveer Dhillon) Decoding Demographic un-fairness from Indian Names (Vahini Medidoddi, Jalend Bantupalli, Souvic Chakraborty and Animesh Mukherjee) You are Big, S/he is small' Detecting Body shaming in Online User Content (Varsha Reddy, Harika Abburi, Niyati Chhaya, Tamara Mitrovska and Vasudeva Varma)
15:10	15:40	Closing	
TBC		Social Event	Informal Social Gathering and Networking in Glasgow City Centre

Organising Committee

Prof. Joemon Jose (General Chair), School of Computing Science, University of Glasgow

Dr. Jan Breitsohl (General Chair), Adam Smith Business School, University of Glasgow

Oliver Warke (Publicity & Web Chair), School of Computing Science, University of Glasgow

Programme Committee

Prof. Frank Hopfgartner, Professor for Data Science, Universität Koblenz-Landau

Prof. Philipp Mayr, Team Leader (Information & Data Retrieval), GESIS - Leibniz-Institute for the Social Sciences

Prof. Kokil Jaidka, Assistant Professor in Computational Communication, National University of Singapore