

Turkey Computational Social Sciences (TCSS) Conference 2023

April 13 – 14, 2023, @Koç University, Founders Hall

13 April 2023, Thursday

09:00 – 10:15 | Welcome

09:00 – 09:30 | Registration

09:30 – 09:45 | Introduction, Erdem Yörük

09:45 – 10:15 | Keynote, ‘Geospatial Social Sciences and Humanities: Potentials and Risks’ by M. Erdem Kabadayı

10:15 – 10:30 | Break

10:30 – 12:00 | Session 1 - Exploring Spatial Patterns in Politics, Demographics, and Education

Chair: N. Gizem Bacaksızlar-Turbic

10:30 – 10:50 | ‘Situating Protests and Elections: A Spatial Analysis on Turkey between 2002 and 2015’ by Firuze Taner and Osman Demirbağ

10:50 – 11:10 | ‘A Comparative Geospatial Analysis of Rural Depopulation in Bulgaria and Turkey, the 1950s-1970s’ by Piet Gerrits, M. Erdem Kabadayı, and Ana Basiri

11:10 – 11:30 | ‘The Feminization of Health Programs in Higher Education in Turkey’ by Rumeysanur Doğan

11:30 – 11:50 | ‘Investigating the Geographical Pattern of ERASMUS+ Higher Education Student Mobility with Social Network Analysis’ by Savaş Zafer Şahin

12:00 – 13:00 | Lunch Break

13:00 – 14:30 | Session 2 - Agent-Based Modeling and Network Analysis in Social Systems

Chair: Tolga Etgü

13:00 – 13:20 | ‘Interlocking Directors Network in BIST’ by Alper Duman

13:20 – 13:40 | ‘El Farol Bar Problem: Discovering the Role of the Bar Capacity’ by Burak Çetiner

13:40 – 14:00 | ‘Simulation of Migration Paths Using Agent-Based Modeling: The Case of Syrian Refugees En Route to Turkey’ by Dilek Günneç

14:00 – 14:20 | ‘Analyzing the Emergence and Dynamics of Pluralistic Ignorance with Agent-Based Models’ by Ezgi Topuz

14:30 – 14:45 | Break

14:45 – 16:15 | Session 3 - Analyzing Textual Data Across Domains through Topic Modeling

Chair: Sinemis Temel

14:45 – 15:05 | ‘Social Movements and the Pandemic: Twitter Wars, Stakeholders, and Bystanders’ by Didem Türkoğlu

15:05 – 15:25 | ‘Unveiling Turkey's Perception on Twitter: A Study on Foreign Policy Analysis Using Social Media’ Hakan Mehmetcik

15:25 – 15:45 | ‘Natural Mentoring in Online Communities: Twitch.tv’ by Vjollce Mustafa

15:45 – 16:05 | ‘Distributed Graph Rewiring Preserving 2-Hop Degree Correlations’ by Furkan Ataş

16:15 – 16:30 | Break

16:30 – 18:15 | Session 4 - Advances in Social Network Analysis and Representation Learning

Chair: M. Fuat Kına

16:30 – 16:50 | ‘Polarisation, Social Groups, and Multilayer Networks’ by Mikko Kivela

16:50 – 17:10 | ‘Simple Social and Categorical Signals in Contrastive Learning for Recommendation’ by Berk H. Dergi

17:10 – 17:30 | ‘Homophily and Common Knowledge in a Threshold Model of Collective Action’ by Alper Duman

17:30 – 17:50 | ‘How Media Attention Changes Social Media Follower Composition?’ by Serhat Demirkıran

17:50 – 18:10 | ‘#Secim2023: First Public Dataset for Turkish General Election and Interactive Platforms to Investigate Online Manipulations’ by Ali Najafi

14 April 2023, Friday

09:30 – 11:15 | Session 5 - Studies on Sentiment Analysis and NLP

Chair: Erdem Yörük

09:30 – 09:50 | ‘How Did People React to Istanbul Convention? A Sentiment Analysis of Tweets Regarding Istanbul Convention and How Topics Change Among Tweets with Positive Sentiment and with Negative Sentiment’ by Berra Karayel

09:50 – 10:10 | ‘Daylight Saving Policies Effect Daily and Seasonal Public Sentiment’ by Mert Öztürk and Onur Varol

10:10 – 10:30 | ‘A Cross Validation Study of Turkish Sentiment Analysis Datasets’ by Şevval Çakıcı

10:30 – 10:50 | ‘Mixed Regimes and Economic Crises: Information Manipulation Strategies in Media Outlets’ by Fatih Serkant Adıgüzel

11:00 – 11:15 | Break

11:15 – 12:45 | Session 6 - Data Extraction and Text-Recognition

Chair: Oğuz Güerker

11:15 – 11:35 | ‘Academic Support Network Reflects Doctoral Experience and Productivity’ by Özgür Can Seçkin and Onur Varol

11:35 – 12:55 | ‘Can Archives Guide Us to Build Resilient Companies? The Ottoman Bank Archives’ by Selim Balcısoy, Esin Zeynep Menceoğlu, and Deniz Güneş

12:55 – 12:15 | ‘A Digital Reappraisal of Standard Sources of Knowledge. Works of Islamic Biography, the Case of ‘Tarikh Al-Ulama Al-Andalus’ by Yusuf Büyükyılmaz

12:15 – 12:35 | ‘Mimicking Surveys within Turkish Context using ChatGPT’ by Şükrü Atsızelti

12:45 – 13:45 | Lunch Break

14:45 – 15:15 | Session 7 - Empirical Studies Using Unique Data Sources and Advanced Analytical Methods

Chair: Melih Can Yardı

14:45 – 15:05 | ‘Comparison of Online News Readers Behavior in Turkey Based on Demography and Location’ by Ahmet Güneş

14:05 – 14:25 | ‘The Strategic Logic of Digital Disinformation Offense, Defence and Deterrence in Information Warfare’ by Akın Ünver and Arhan Ertan

14:25 – 14:45 | ‘Reelection Incentives, Abuse of Law, and Its Economic Cost: Evidence from Public Procurement’ by Mustafa Kaba

14:45 – 15:05 | ‘Politus Project: Using Digital Traces to Predict Political and Social Trends – Preliminary Findings’ by M. Fuat Kına

15:15 – 15:30 | Break

15:45 – 17:00 | Session 8 - Semantic Network Analysis and Machine Learning

Chair: Şükrü Atsızelti

15:30 – 15:50 | ‘Diversity and Inclusion in Data Activism: A Mixed-Methods Analysis of Framing and Organizational Strategies in Technology-Focused Social Movements’ by Jared M. Wright

16:50 – 16:10 | ‘Subjects and Trends on Twitter in the Context of Sustainability Discussions in Turkey from 2013 to 2023’ by Kemal Günay

16:10 – 16:30 | ‘Public Trust in Science: A Scoping Literature Review’ by Umut Yener Kara, Gökçe Zeybek Kabakcı, and Gökçe Baydar Çavdar

16:30 – 16:50 | ‘Unsupervised Detection of Anomalous Twitter Followers’ by Yasser Zouzou