

**Program of
ASONAM 2022 - FAB 2022 - FOSINT-SI 2022, HI-BI-BI 2022**

All times in Turkish time - GMT+3

November 10th				
	Room C-315	Room C-316	Room C-317	Room C-328
09:30 – 11:00	Workshop I	PhD Track I		
11:00 – 11:30	<i>Coffee Break C-314</i>			
11:30 – 13:00	Demos Track	PhD Track II		
13:00 – 14:30	<i>Lunch Break -South Campus</i>			
14:30 – 16:00		PhD Track III	Tutorial I	
16:30 – 17:00	<i>Coffee Break C-314</i>			
17:00 – 18:00	<i>C-315 Keynote I: Professor Taha Yasseri, University College Dublin, Ireland</i>			

November 11th				
	Room C-315	Room C-316	Room C-317	Room C-328
09:30 – 10:00	<i>Opening Remaks from organizers</i>			
10:00 – 10:30	<i>Coffee Break C-314</i>			
10:30 – 12:10	Research - 1a (2R+2S)	Research - 1b (2R+2S)	Industrial Track I	FOSINT-SI I
12:10 – 13:30	<i>Lunch Break -South Campus</i>			
13:30 – 15:50	Research - 2a (3R+1S)	Research - 2b (3R+1S)	Industrial Track II	FOSINT-SI II
15:50 – 16:20	<i>Coffee Break C-314</i>			
16:20 – 17:20	<i>C-315 Keynote II: Professor Juergen Pfeffer, Technical University of Munich, Germany</i>			
19:00 – 21:30	<i>Reception</i>			

November 12th				
	Room C-315	Room C-316	Room C-317	Room C-328
09:00 – 10:40	Research - 3a (2R+2S)	Research - 3b (2R+2S)	HIBIBI I	FAB I
10:40 – 11:10	<i>Coffee Break C-314</i>			
11:10 – 12:50	Research - 4a (1R+3S)	Research - 4b (3R)	HIBIBI I	FAB II
12:50 – 14:20	<i>Lunch Break -South Campus</i>			
14:20 – 16:00	Research - 5a (2R+2S)	Research - 5b (5S)	Multidisciplinary Trac	FAB III
16:00 – 16:30	<i>Coffee Break C-314</i>			
16:30 – 17:30	<i>C-315 Keynote III</i>			
17:30 – 17:45	<i>C-315 Closing Remaks from organizers</i>			
19:30 – 22:00	<i>Banquet</i>			

November 13th	
07:00 – 23:00	<i>Tour to Bursa (CUMALIKIZIK-BURSA-GÖLYAZI) - Meeting Point: North Campus Parking Lot at 6:45 AM</i>

ASONAM 2022 will be held at Istanbul Medipol University - North Campus and South Campus

All sessions will run in North Campus C-Block 3rd floor C-315-316-317-328

Lunch breaks will be in South Campus staff cafeteria section on B1 floor

zoom links for online participants have been sent by email to all authors

**Sessions of
ASONAM 2022 - FAB 2022 - FOSINT-SI 2022, HI-BI-BI 2022"**

Research Track - 1a	Maria Predari, Robert Kooij and Henning Meyerhenke, Faster Greedy Optimization of Resistance-based Graph Robustness	Full	Optimization
	Zhen Su, Jürgen Kurths and Henning Meyerhenke, Network Sparsification via Degree- and Subgraph-based Edge Sampling	Full	Optimization
	Ekta Gujral and Evangelos Papalexakis, APTERA: Automatic PARAFAC2 Tensor Analysis	Short	Optimization
	Robert Chen Bao, Matthew Hancock, Chris Kuhlman and S. S. Ravi, Using Dominating Sets to Block Contagions in Social Networks	Short	Optimization
Research Track - 1b	Pegah Hozhabrierdi and Sucheta Soundarajan, ComMit: Blind Community-based Early Mitigation Strategy against Viral Spread	Full	Information diffusion
	Lanyu Shang, Yang Zhang, Zhenrui Yue, Yeonjung Choi, Huimin Zeng and Dong Wang, A Knowledge-driven Domain Adaptive Approach to Early Misinformation Detection in an Emergent Health Domain on Social Media	Full	Misinformation
	João Marcos Machado Couto, Julio C. S. Reis, Ítalo Cunha, Leandro Araújo and Fabrício Benevenuto, Characterizing Low Credibility Websites in Brazil through Computer Networking Attributes	Short	misinformation
	Mohit Mayank, Shakshi Sharma and Rajesh Sharma, DEAP-FAKED: Knowledge Graph based Approach for Fake News Detection	Short	misinformation
Research Track - 2a	Hankyu Jang, Sulyun Lee, D. M. Hasibul Hasan, Philip M. Polgreen, Sriram V. Pemmaraju and Bijaya Adhikari, Dynamic Healthcare Embeddings for Improving Patient Care	Full	Embeddings
	Pedro Ramaciotti Morales and Zografoula Vagena, Embedding social graphs from multiple national settings in common empirical opinion spaces	Full	Embeddings
	Abdulkadir Celikkanat, Apostolos N. Papadopoulos and Fragkiskos Malliaros, NodeSig: Binary Node Embeddings via Random Walk Diffusion	Full	Deep learning and embeddings
	Faezeh Faez, Ali Akhoondian Amiri, Mahdieh Soleymani and Hamid R. Rabiee, DMNP: A Deep Learning Approach for Missing Node Prediction in Partially Observed Graphs	Short	missing node prediction

Research Track - 2b	Renan Saldanha Linhares, José Martins da Rosa Junior, Carlos Henrique Gomes Ferreira, Gabriel Peres Nobre, Fabricio Murai and Jussara Almeida, Uncovering Coordinated Communities on Twitter During the 2020 U.S. Election	Full	Community detection
	Xiang Li, Dong Li, Ruoming Jin, Rajiv Ramnath and Gagan Agrawal, Deep Graph Clustering with Random-walk based Scalable Learning	Full	Community detection
	Sarah Al-Shareef, Rahaf Alharbi, Rawan Alharbi, Raghad Almfarriji, Maram Alsharif, Rasha Alharthi and Lamia Althaqafi, Investigating Community Detection in Arabic Scholarly Network Using Ontology-based Semantic Expansion	Full	Community detection
	Narimene Dakiche, Karima Benatchba, Fatima Benbouzid-Si Tayeb, Slimani Yahya and Mehdi Anis Brahmi, A Hybrid Artificial Bee Colony Algorithm with Simulated Annealing for Enhanced Community Detection in Social Networks	Short	community detection
Research Track - 3a	Christoph Gote, Vincenzo Perri and Ingo Scholtes, Predicting Influential Higher-Order Patterns in Temporal Network Data	Full	Affinity
	Hossam Sharara and Lise Getoor, Multi-relational Affinity Propagation	Full	Affinity
	Andreas Kosmatopoulos, Kostas Loumpoulias, Ourania Theodosiadou, Theodora Tsirikla, Stefanos Vrochidis and Ioannis Kompatsiaris, Identification of Key Actor Nodes: A Centrality Measure Ranking Aggregation Approach	Short	Centrality and roles?
	Jean Marie Tshimula, Belkacem Chikhaoui and Shengrui Wang, Discovering Affinity Relationships between Personality Types	Short	Affinity
Research Track - 3b	Matheus Schmitz, Keith Burghardt and Goran Muric, Quantifying How Hateful Communities Radicalize Online Users	Full	Hate/Radicalization
	Negar Mokhberian, Frederic R. Hopp, Bahareh Harandizadeh, Fred Morstatter and Kristina Lerman, Noise Audits Improve Moral Foundation Classification	Full	Moral foundation
	Mostofa Najmus Sakib and Francesca Spezzano, Automated Detection of Sockpuppet Accounts in Wikipedia	Short	Wikipedia analysis
	Huimin Zeng, Zhenrui Yue, Ziyi Kou, Lanyu Shang, Yang Zhang and Dong Wang, Unsupervised Domain Adaptation for COVID-19 Information Service with Contrastive Adversarial Domain Mixup	Short	COVID-19

Research Track - 4a	Chen Shen, Chao Han, Arjun Mukherjee, Zoran Obradovic and Eduard Dragut, Session-based News Recommendation from Temporal User Commenting Dynamics	Full	Recommendation
	Kun Wu, Jacob Erickson, Wendy Hui Wang and Yue Ning, Equipping Recommender Systems with Individual Fairness via Second-order Proximity Embedding	Short	Recommendation
	Li-Chia Wang, Hao-Shang Ma and Jen-Wei Huang, Novel Attention Mechanisms with item for Sequential Recommendation	Short	Recommendation
	Khandker Sadia Rahman and Charalampos Chelmiss, Learning to Predict Transitions within the Homelessness System from Network Trajectories	Short	Recommendation
Research Track	Yayati Gupta, Sanatan Sukhija and Rithic Kumar N., Source Aware Budgeted Information Maximization	Full	Information Maximization
	Ahmad Zareie and Rizos Sakellariou, Minimizing the Importance Inequality of Nodes in a Social Network Graph	Full	Node Inequality
	Anish Krishna Vallapuram, Young Dae Kwon, Lik-Hang Lee, Fengli Xu and Pan Hui, Causal Analysis on the Anchor Store Effect in a Location-based Social Network	Full	causal analysis
Research Track - 5a	Abduljaleel Al Rubaye and Gita Sukthankar, Improving Code Review with GitHub Issue Tracking	Full	Application
	Ehsan-UI Haq, Lik-Hang Lee, Gareth Tyson, Reza Hadi Mogavi, Tristan Braud and Pan Hui, Exploring Mental Health Communications among Instagram Coaches	Full	Application
	Benedict Witzenberger and Juergen Pfeffer, Gender dynamics of German journalists on Twitter	Short	Application
	Avinash Tulasi, Mainack Mondal, Arun Balaji Buduru and Ponnurangam Kumaraguru, Understanding the Impact of Awards on Award Winners and the Community on Reddit	Short	Application
Research Track - 5b	Shohei Hisamitsu, Sho Cho, Masashi Toyoda, Naoki Yoshinaga and Hongshan Jin, Diachronic Analysis of Users' Stances on COVID-19 Vaccination in Japan using Twitter	Short	Application/NLP
	Evan Williams and Kathleen Carley, TSPA: Efficient Target-Stance Detection on Twitter	Short	Application/NLP
	Tomaso Erseghe, Leonardo Badia, Lejla Dzanko and Caterina Suitner, PLMP: A METHOD TO MAP THE LINGUISTIC MARKERS OF THE SOCIAL DISCOURSE ONTO ITS SEMANTIC NETWORK	Short	Application/NLP
	Yusuf Mücahit Çetinkaya, İsmail Hakkı Toroslu and Hasan Davulcu, Coherent Personalized Paragraph Generation for a Successful Landing Page	Short	Application/NLP
	Kumari Neha, Vibhu Agrawal, Arun Balaji Buduru and Ponnurangam Kumaraguru, The Pursuit of Being Heard: An Unsupervised Approach to Narrative Detection in Online Protest	Short	Application/NLP

FABI	Md Rayhan Kabir and Osmar R Zaiane. Dynamic Ensemble Associative Learning	Full
	Xincheng Yuan, Melody Moh and Teng-Sheng Moh. Whole-File Chunk-Based Deduplication Using Reinforcement Learning for Cloud Storage	Full
	Siegfried Mueller, Raji Ghawi and Juergen Pfeffer. Identifying Power Elites in Massively Multiplayer Online Games by Applying Machine Learning to Communication and Support Networks	Full

FAB II	Tarun Kumer Biswas, Alireza Abbasi and Ripon Kumer Chakraborty. Multi-Objective Influence Maximization Under varying-size Solutions and Constraints	Full
	Fida Dankar and Nisha Madathil. Using Synthetic Data to Reduce Model Convergence Time in Federated Learning	Short
	Marius Myburgh and Sonia Berman. Customer lifetime value prediction with K-means clustering and XGBoost	Short
	Carson Leung. Vertical Quantitative Web Mining of Frequently Browsed Webpages	Short

FABIII	Khaled Alanezi, Nuha Albadi, Omar Hammad, Maram Kurdi and Shivakant Mishra. Understanding the Impact of Culture in Assessing Helpfulness of Online Reviews	Full
	Serkan Ucer, Tansel Özyer, Reda AlHajj, Classes vs. Communities: Outlier Detection and Removal in Tabular Datasets via Social Network Analysis (ClACO)	Full
	Connor C.J. Hryhoruk and Carson Leung. Mining from Interpretable Compressed Representation of Sparse Networks	Full

HIBIBI I	Richard Adolph Aires Jonker, Roshan Poudel, Olga Fajarda, Sérgio Matos, José Luís Oliveira and Rui Pedro Lopes. Portuguese Twitter Dataset on COVID-19	Full
	Ishita Vohra, Meher Shashwat Nigam, Aryan Sakaria and Nimmi Rangaswamy. Is Twitter Enough? Investigating Situational Awareness in Social and Print Media during the Second COVID-19 Wave in India	Full
	Hind Abouche, Anwar Jimi, Nabila Zrira and Ibtissam Benmiloud. Segmentation and Classification of Dermoscopic Skin Cancer on Green Channel	Full

HIBIBI II	Flannagán Noonan, Michelle Hanlon, Juncal Nogales, Ciarán Doyle, Eilish Broderick and Joseph Walsh. Bed management system implementation	Full
	Aditya Dubey and Swapna Gokhale. Comparing Deep and Machine Learning Models for Sentiment and Emotion Classification from Vaccine #sideeffects	Full
	Sowmya Balasubramanian, Venkatesh Srinivasan and Alex Thomo. Identifying Important Features for Clinical Diagnosis of Thyroid Disorder	Full
	Jimi Anwar, Abouche Hind, Zrira Nabila and Benmiloud Ibtissam. Automated Skin Lesion Segmentation using VGG-UNet	Full

DEMOS	Abiola Akinnubi, Nitin Agarwal, Ayokunle Sunmola and Vanessa Okeke. Visualization of Influential Blog Networks Using BlogTracker
	Salim Afra, Tansel Ozyer, Jon Rokne, Reda Alhadj, NetDriller-V3: A Powerful Social Network Analysis Tool
	Devin Coughlin, Maylee Gagnon, Victoria Grasso, Guanyi Mou, Kyumin Lee, Renata Konrad, Patricia Raxter and Meredith Gore. Extracting and Visualizing Wildlife Trafficking Events from Wildlife Trafficking Reports
	Andrew Hine and Alice Matthews. Trust and data ownership Can online content indicate an individual's 'real-life' personality?

Tutorial I	Mining and Analysing Collaboration in git Repositories with git2net Christoph Gote* Chair of Systems Design ETH Zurich Zurich, Switzerland cgote@ethz.ch
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Industrial I	Shailik Sarkar, Abdulaziz Alhamadani, Lulwah Alkulaib and Chang-Tien Lu. Predicting Depression and Anxiety on Reddit: a Multi-task Learning Approach	Full
	Md Omar Faruk Rokon, Risul Islam, Md Rayhanul Masud and Michalis Faloutsos. PIMan: A Comprehensive Approach for Establishing Plausible Influence among Software Repositories	Full
	Abdulaziz Alhamadani, Shailik Sarkar, Lulwah Alkulaib and Chang-Tien Lu. PRISTINE: Semi-supervised Deep Learning Opioid Crisis Detection on Reddit	Full
	Sofia Hurtado, Radu Marculescu and Justin Drake. Quarantine in Motion: A Graph Learning Framework to Reduce Disease Transmission Without Lockdown	Full
Industrial II	Ines Rito Lima, Claudia Marinho, Vasco Filipe, Alexandre Ulisses, Nishant Saurabh, Antorweep Chakravorty, Zhiming Zhao, Atanas Hristov and Radu Prodan. MOGPlay: A Decentralized Crowd Journalism Application for Democratic News Production	Full
	Salim Sazed. Stylometric and Semantic Analysis of Demographically Diverse Non-native English Review Data	Full
	Hansi Senaratne, Dominic Lehle and Tobias Schreck. Characteristics Analysis of Moving Conversations to Detect Events on Twitter	Full
Multidisciplinary	Brittany Wheeler, Seong Jung, Maria Camila Nardini Barion, Monika Purohit, Deborah Hall and Yasin Silva. Hate is a Virus: Understanding the Prevalence of Anti-Asian Prejudice on Twitter During the COVID-19 Pandemic	Full
	Etienne Gael Tajeuna and Mohamed Bouguessa. A Time-Dependent-Based Approach to Enhance Self-Harm Prediction	Full

PHD Track	Deniz Sevinç. Monitoring Turkish Stock Price Sentiment Using Rule-Based Approach and BERTurk: Extended Abstract	Full
	Jobin Gharibshah, Jakapun Tachaiya, Arman Irani, Evangelos Papalexakis and Michalis Faloutsos. IKEA: Unsupervised domain-specific keyword-expansion	Full
	Bailu Jin and Weisi Guo. Data Driven Modeling Social Media Influence using Differential Equations	Full
	Muhammad Musa, Muhammad Usama and Momin Uppal. Extremism on Social Media: Lynching of Priyantha Kumara Diyawadana	Full
	Ben Treves, Md Rayhanul Masud and Michalis Faloutsos. URLytics: Profiling Forum Users from their Posted URLs	Full
PHD Track	Arman Irani, Kevin Esterling, Michalis Faloutsos and Deborah Pagliaccia. Wheats the Deal? Understanding the GMO debate in online forums	Full
	Ahmad Hassanpour and Bian Yang. PriMe: A Novel Privacy Measuring Framework for Online Social Networks	Full
	Nouamane Arhachoui, Esteban Bautista, Maximilien Danisch and Anastasios Giovanidis. A Fast Algorithm for Ranking Users by their Influence in Online Social Platforms	Full
	Guillaume Lachaud, Patricia Conde-Cespedes and Maria Trocan. Comparison Between Inductive and Transductive Learning in a Real Citation Network Using Graph Neural Networks	Full
	Safa El Ayebe, Baptiste Hemery, Fabrice Jeanne, Estelle Cherrier and Christophe Charrier. Multigraph transformation for community detection applied to financial services	Full
PHD Track	Oliver Allen and Filippo Menczer. Ukraine as a Political Tool in Facebook Sponsored Content	Full
	Zhuo Cheng and Samira Shaikh. A Comparison Study of China's Ministry Foreign Affairs Spokesman's Use of Weibo and Twitter	Full
	Abdulrauf Gidado and Christie Ezeife. Maximizing Bigdata Retrieval: Block as a Value for NoSQL over SQL	Full
	Tomi Wójtowicz and Mikolaj Morzy. Universal Graph Embedding Fine Tuning with Dirichlet Energy Smoothing	Full

FOSINT-SI I	Lin Miao, Mark Last and Marina Litvak. Early Detection of Multilingual Troll Accounts on Twitter [Regular Paper]	Full
	Lisa Kaati, Amendra Shrestha and Nazar Akrami. Predicting Targeted Violence from Social Media Communication [Regular Paper]	Full
	Tugrulcan Elmas, Thomas Romain Ibanez, Alexandre Hutter, Rebekah Overdorf and Karl Aberer. WayPop Machine: A Wayback Machine to Investigate Popularity and Root Out Trolls [Short Paper]	Short
FOSINT-SI II	Lisa Kaati, Amendra Shrestha and Nazar Akrami. A Machine Learning Approach to Identify Toxic Language in the Online Space [Regular Paper]	Full
	Marianne Azer. A Proposed Hybrid Technique for Enhanced Mitigation of Code Re-use Attacks [Regular Paper]	Full
	Somnath Mondal, Sachin Patkar and T. K. Pal. Hardware implementation of Ring-LWE lattice cryptography with BCH and Gray coding based error correction [Short Paper]	Short
MSNDS Workshop	Simon Hiel, Lore Nicolaers, Carlos Ortega Vazquez, Sandra Mitrović, Bart Baesens and Jochen De Weerd, Evaluation of Joint Modeling Techniques for Node Embedding and Community Detection on Graphs	Full
	I-Hsien Ting, Chia Sung Yen, Chia-Chun Kang and Shu-Chen Yang, An Empirical Study of Automatic Social Media Content Labeling and Classification based on BERT Neural Network	Full
	Omar Hammad and Shivakant Mishra, Impact of Work from Home During the Pandemic in Saudi Arabia	Full
	Yung-Wei Teng, Min-Yuh Day and Pei-Tz Chiu, Text Mining with Information Extraction for Chinese Financial Knowledge Graph	Full

Keynote Speaker I	Title: Can crowdsourcing rescue the social marketplace of ideas?
	Speaker: Professor Taha Yasseri, University College Dublin, Ireland
	Abstract: Facebook and Twitter recently announced community-based review platforms to address misinformation. In this talk, I provide an overview of the potential affordances of such community-based approaches to content moderation based on past research and preliminary analysis of Twitter's Birdwatch data. While our analysis generally supports a community-based approach to content moderation, it also warns against potential pitfalls, particularly when the implementation of the new infrastructure focuses on crowd-based "validation" rather than "collaboration." We call for multidisciplinary research utilizing methods from complex systems studies, behavioural sociology, and computational social science to advance the research on crowd-based content moderation.
	Bio: Taha Yasseri is an Associate Professor at the School of Sociology and a Geary Fellow at the Geary Institute for Public Policy at University College Dublin, Ireland. Formerly, he was a Senior Research Fellow in Computational Social Science at the University of Oxford, a Turing Fellow at the Alan Turing Institute for Data Science and Artificial Intelligence, and a Research Fellow in Humanities and Social Sciences at Wolfson College. Taha Yasseri has a PhD in Complex Systems Physics from the University of Göttingen, Germany. He has interests in the analysis of large-scale transactional data and conducting behavioural experiments to understand human dynamics, machines' social behaviour, government-society interactions, online political behaviour, mass collaboration and collective intelligence, information and opinion dynamics, hate speech and content moderation, collective behaviour, and online dating.

Keynote Speaker II	Title: Social Media Data for Studying Human Behavior: Where do we go from here?
	Speaker: Professor Juergen Pfeffer, Technical University of Munich, Germany
	Abstract: Social media has come a long way - and it hasn't been a good one, unfortunately. Platforms that were celebrated for their mobilizing power during the Arab Spring are now the focus of criticism because this same mobilizing power drives negative dynamics such as polarization, hate speech, and the spread of fake news and conspiracy theories. From a research perspective, we have embraced these destructive tendencies as worthy scientific challenges – always under the assumption that the data that we are analyzing is a good representation of human behavior. However, access to platform data has been limited over the years and, where available, was complicated by flaws and a lack of transparency. With Musk's take-over of Twitter, we have most likely reached a tipping point for social media research. At the same time platforms and their billionaire owners have reached a new low in reputation among the general public. In this presentation, I will talk about challenges for individual researchers and for society at large in the current state of social media platforms. But I will also talk about ideas for solutions and possible paths forward. Researchers will need to adapt and spend more time thinking about data quality, bias, and new methodological approaches. And policymakers will need to become more creative when it comes to regulating and auditing social media platforms so that tools that are used by the entire society can actually serve society and the public interest.
	Prof. Pfeffer's research focuses on the analysis of large and dynamic socio-technical systems as well as the methodological, algorithmic and theoretical challenges that arise from these analyses. Pfeffer's research falls at the intersection of social and computer sciences. Current projects deal with the modeling and detection of negative dynamics in social media, such as online firestorms and hate against politically active women. After ten years of professional experience in NGOs, consulting firms and non-university research institutions, Jürgen Pfeffer acquired a doctorate in business informatics at the University of Technology in 2010. He subsequently worked as a postdoctoral fellow at Carnegie Mellon University (USA) until he was appointed there as Assistant Research Professor in 2012. Since March 1, 2016, Prof. Jürgen Pfeffer has been serving as Professor of Computational Social Science & Big Data at the Bavarian School of Public Policy at TUM.

Keynote Speaker III

Title: Networks and Narratives: Characterizing Multiplatform Influence Campaigns to Strengthen Socio-cognitive Security

Speaker: Professor Nitin Agarwal, University of Arkansas at Little Rock, USA

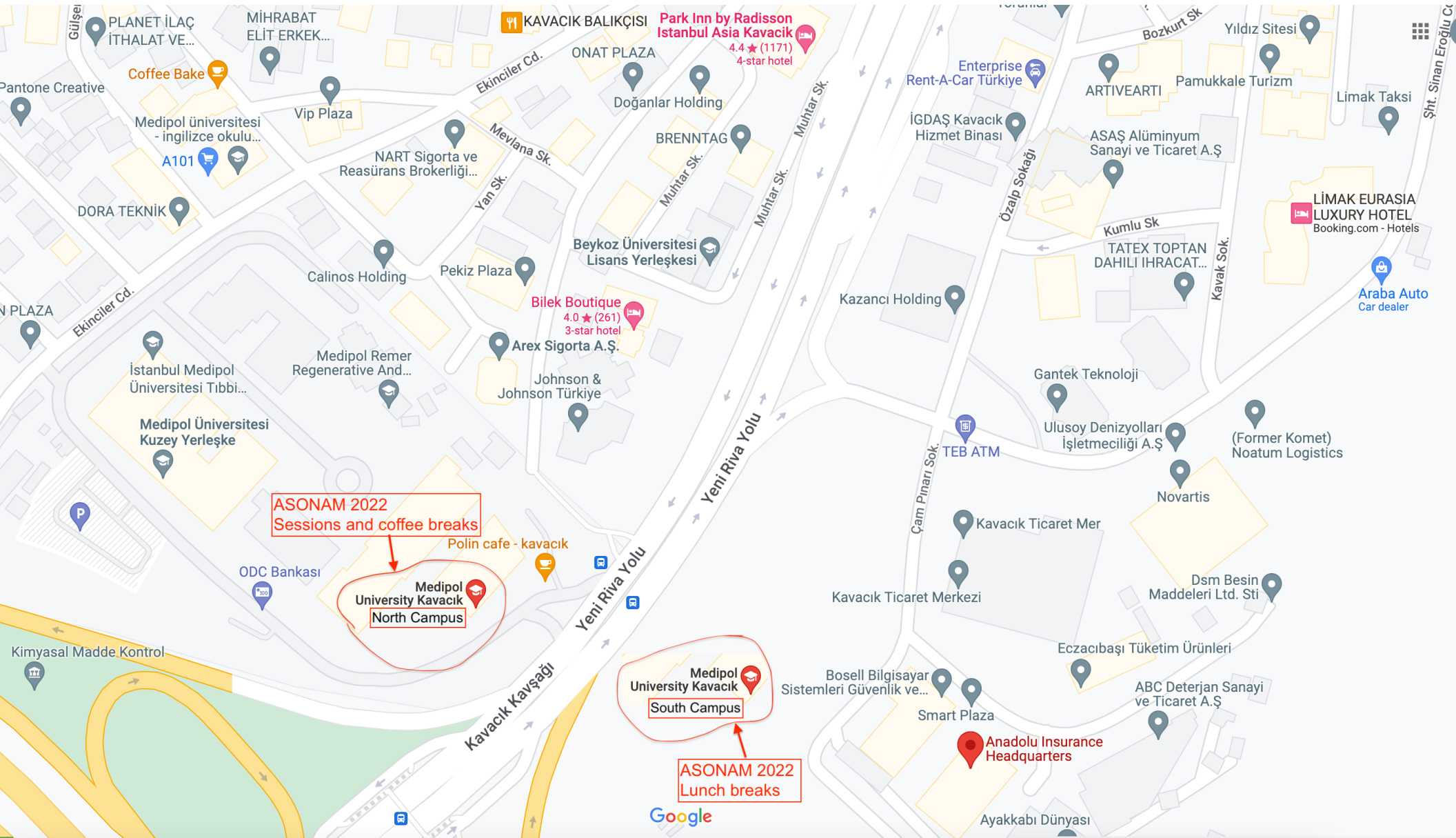
Abstract: Digital communication tools, especially social media, are integral part of lives. A large population gets their information and news from these platforms. Openness and lack of standards have made these media platforms a hotbed for malicious activities such as, spreading propaganda, misinformation, conspiracy theories, extremism, and terrorism to propagate hysteria, sow discord, create chaos, cause instability, and erode public trust in democratic and scientific institutions.

I will discuss our research efforts studying the mechanics of misinformation campaigns, critical link between blogs and various social media platforms, and media orchestration strategies. Tactics, techniques, and procedures used by malicious groups to propagate misinformation will be highlighted. I will present insights from our various studies pertaining to misinformation campaigns in the Baltic region, NATO’s military exercises, Canadian elections, Indo-Pacific, and COVID-19.

The research has been transitioned into publicly available software programs, viz., Blogtracker and YouTubeTracker that will be showcased during the talk. Furthermore, the research has been operationalized for policy makers such as Arkansas Attorney General’s office to combat COVID-19 scams, NATO public affairs and strategic communications officers to manage anti-NATO campaigns, among others.

Biography: Nitin Agarwal is the Jerry L. Maulden-Entergy Chair and Distinguished Professor of Information Science at University of Arkansas - Little Rock and a faculty fellow of the International Computer Science Institute (ICSI) at University of California, Berkeley. Dr. Agarwal is the founding director of the Collaboratorium of Social Media and Online Behavioral Studies (COSMOS) research center. His research interests include social computing, (deviant) behavior modeling, group dynamics, influence, trust, collective action, social-cyber forensics, mis/disinformation, influence operations, coordinated and cross-platform cyber campaigns, adversarial information operations, health informatics, data mining, and privacy. Cyber is vital for any multi-domain operation but the challenges we face today transcend the traditional cybersecurity in the form of (mis/dis)information and influence operations targeting individual (at micro level) and groups or societies (at macro level). Dr. Agarwal is leading the development of research-based solutions for characterizing multimedia and multiplatform influence campaigns, measure their influence, assess human and adversarial AI coordination, and strengthen socio-cognitive security apparatus by designing inoculation strategies. Dr. Agarwal's socio-computational models and social cyber forensics methodologies, rooted in social science theories, help advance the understanding of campaigns, mobilization through online networks, collective action, deindividuation, influence campaigns, misinformation, disinformation, and propaganda campaigns that are conducted in the cyber world with real-world implications. Dr. Agarwal has received 32 grants totaling over \$40 million from the U.S. Army, Navy, Air Force, DARPA, and NSF to support these multi-year and multi-domain efforts and multi-national partnerships with various academic, government, and industry entities. Over 300 publications have resulted so far from this effort including 15 best paper awards in highly prestigious scientific and policy forums. Dr. Agarwal has led transition of the research into usable tools winning top innovation recognitions from NATO, WHO, and others demonstrating the need for technology and innovation to bridge science, society, and policy. Visit <https://profiles.ualr.edu/na10/> for more details.

A map showing Istanbul Medipol University - North Campus and South Campus
Sessions will run in North Campus C-Block 3rd floor C-315-316-317-328
Lunch breaks will be in South Campus staff cafeteria section on B1 floor



Front Entrance of Istanbul Medipol University - North Campus



Back Entrance of Istanbul Medipol University - North Campus

