

July 17 | 2023

17TH ILAIS CONFERENCE PROGRAM

The Academic College of Tel Aviv–Yaffo

10:00-16:00 Registration | Building 3, Entrance

10:00-11:00 Pre-conference doctoral session | Building 3, 103

Participation by invitation only

Moderator:

Dov Te'eni | Tel-Aviv University

Panelists:

Yael Inbar | Tel-Aviv University

Chen Hajaj | Ariel University

Neta Livneh | Tel-Aviv University

Anat Goldstein | Ariel University

Itzhak Aviv | The Academic College of Tel Aviv–Yaffo

11:00-11:45 Opening session | Building 3, Auditorium

Greetings:

Dror Wahrman | President of The Academic College of Tel Aviv–Yaffo

Ruti Gafni | Information Systems School, Dean The Academic College of Tel Aviv–Yaffo

Ofir Ben-Assuli | ILAIS Chair | Ono Academic College

Keynote:

Sagi Gafni | Senior Quality Management, Consultant
The contribution of IT to Quality Management in aerospace systems

11:45-12:00 Coffee break

12:00-13:30 Parallel sessions A-B-C

Parallel Session A

Innovations in Medical Data Analysis and Clinical Care
Building 3 | Room 101

Chair:

Roni Ramon Gonen | Bar Ilan University

Visual analytics to augment medical decision-making

Tsipi Heart, David Gefen, Ofir Ben-Assuli, Robert Klempfner and Rema Padman

Obtaining associations between patient diagnosis groups and past medical history in electrodiagnostic data

Roni Ramon Gonen, Amir Dori and Shahar Shelly

#MyIBDHistory on Twitter: Identifying disease characteristics using personal tweets

Maya Stemmer, Gilad Ravid and Yisrael Parmet

The use of an automatic weight management system to identify anti-obesity drugs supply shortage and its consequences

Idan Roth and Ohad Cohen

Democratization of patient-based alarm setting in clinical care- A timely possibility to improve care

Opher Etzion, Adi Fux, Shai Rozenes and Izhar Ben Shlom

Non-linear machine learning models of clinical judgments: Meehl's data revisited

Eyal Zinger and Yoav Ganzach

Parallel Session B

System Engineering and Social Values
Building 3 | Room 103

Chair:

Itzhak Aviv | The Academic College of Tel Aviv-Yaffo

Reference architecture for blockchain-native distributed information system

Itzhak Aviv

Exploring quantum sensing potential for systems applications

Boris Kantsepolsky and Itzhak Aviv

Product managers as social values curators

Eilat Lev Ari and Eran Toch

Infrastructure from code: The next generation of cloud lifecycle automation

Itzhak Aviv, Ruti Gafni, Sofia Sherman, Berta Aviv, Asher Sterkin and Yizhak Bega

Detecting parallel covert data transmission channels in video conferencing using machine learning

Ofir Joseph, Avshalom Elmalech and Chen Hajaj

Evolutions in time-varying networks

Yonit Rusho, Asaf Shapira, Yigal Hoffner, Noor Haj Dawood, Adi Peled and Noy Shabo

Parallel Session C

Linguistics, Sentiment Analysis, and Content Contribution in Digital Communication
Building 3 | Room 104

Chair:

Havana Rika | The Academic College of Tel Aviv-Yaffo

Assessing the contribution of subject-matter experts to Wikipedia

Alex Yarovoy, Yiftach Nagar, Einat Minkov and Ofer Arazy

Understanding the DNA of sarcasm

David Ben Michael, Dan Vilenchik and Havana Rika

Discovering journalistic expertise using natural language processing: Criticality, ethics, context and terminology in technology news

Irit Neumann

Towards aspectual entailment informed recommendation systems

Rawan Qadri, Inbal Yahav and Moshe Unger

Speech and multilingual natural language framework for speaker change detection and diarization

Or Haim Anidjar and Chen Hajaj

Leveraging Human Attention into Machine Attention Mechanism for Improved Text Classification

Avihay Chiriqui

13:30-14:30 Lunch | Building 3, Study Hall

14:30-15:00 In his memory - Phillip Ein-Dor | Building 3, Auditorium

15:00-15:30 Keynote | Building 3, Auditorium

The language of intonation and its distortions - signals of emotional and health states - a platform for understanding ourselves and others

Dr. Yoram Levanon | Chief Scientific Officer, Intonation AI

15:30-15:45 Coffee break

15:45-17:15 Parallel sessions D-E-F

Parallel Session D

The Intersection of Machine Learning, Urban Planning and Cybersecurity
Building 3 | Room 101

Chair:

Orly Barzilai | The Academic College of Tel Aviv-Yaffo

Using machine learning techniques to incorporate social priorities in traffic monitoring in a junction with a fast lane

Orly Barzilai, Havana Rika, Nadav Voloch, Maor Meir Hajaj, Orna Lavi Steiner, and Niv Ahituv

Measuring destination similarity: A multidimensional approach

Anat Goldstein and Chen Hajaj

Smart city management under cyber threat

Yoav Ziv

Combining human and machine intelligence for biodiversity monitoring

Weaam Shaheen, Yiftach Nagar, Achiad Davidson, Bar Lavi and Ofer Arazy

User empowering design: Expanding the users' hierarchy of needs

David Gallula, Hadar Ronen, Ido Shichel and Adi Katz

Parallel Session E

Machine Learning and Data Analytics
Building 3 | Room 103

Chair:

Moshe Leiba | The Academic College of Tel Aviv-Yaffo

Should we always be transparent? The effect of algorithmic pricing disclosure on consumers' demand

Doron Yeverehyahu and Gal Oestreicher-Singer

The role of followers and followees in the adoption of innovations

Mor Atlas, Arie Gavius, and Gilad Ravid

Does increasing the prize in multiple online contests benefit the contest organizer?

Sharon Rabinovitch, Ella Segev, and Lior Fink

Over-Adherence to Erroneous Algorithmic Recommendations

Yotam Liel and Lior Zalmanson

Should a chatbot show it cares? Toward optimal chatbot design via sentiment analysis

Chen Elyashar, Sagit Bar-Gill and Inbal Yahav

Reproducibility and scientific rigor of machine learning and business relevance

Michel Benaroch and Edward Raff

Parallel Session F

Short Presentations Track: Exploring Digital Transformation, AI, and Knowledge Management in Dynamic Environment
Building 3 | Room 104

Chair:

Iris Reyshav | Ariel University

Complex adaptive work environment, early adopters, and digital transformation process effectiveness in the organization

Alon Hasgall

Requirement engineering for AI

Eran Sadovski, Irit Hadar and Itzhak Aviv

Graph-based event correlation and prediction for IT operations

Nadeem Azaizah and Iris Reyshav

To share or not to share: Knowledge development in communities during crises

Yonit Rusho, Itzhak Nudler and Gilad Ravid

A forthcoming book on information economics

Daphne Raban and Julia Włodarczyk

Transferring knowledge in database modeling: Gender differences

Ronit Shmalo and Adi Katz

A social computing platform for biodiversity monitoring

Weaam Shaheen, Yiftach Nagar, Ayala Granat, Achiad Davidson and Ofer Arazy

Perceptions of Rankings Similarity

David Bodoff and Osnat Mokryn

17:15-17:30 Coffee break

17:30-18:00 Keynote | Building 3, Auditorium

IDF AI department Russian-Ukraine armed conflict: Lessons learned on the digital ecosystem

18:00-18:30 Awards Ceremony and ILAIS meeting | Building 3, Auditorium

Chair:

Ofir Ben-Assuli | ILAIS President, Ono Academic College

Dizza Beimeil | ILAIS Secretary, Ruppin Academic Center

Dalit Levy | ILAIS Treasurer, Zefat Academic College

Program committee

Michel Avital, Itzhak Aviv, Sagit Bar-Gil, Dizza Beimeil, Michel Benaroch, Nimrod Dvir, Adir Even, Lior Fink, Ruti Gafni, Roy Gelbard, Nitza Geri, Tomer Geva, Orit Goldman, Anat Goldstein, Yael Inbar, Arie Jacobi, Yoram Kalman, Boris Kantsepolsky, Adi Katz, Moshe Leiba, Dalit Levy, Daphne Raban, Gilad Ravid, Iris Reyshav, Idan Roth, Itamar Shabtai, Aviv Shachak, Itzhak Shemer, Sofi Sherman, Mark Silver, Malik Yousef

For conference updates and further information, visit the ILAIS website:

www.ilais.org.il