

4th SNAS INTERDISCIPLINARY RESEARCH CONFERENCE PROGRAM

**TECHNOLOGY & HUMANITY: EXPLORING THE IMPACT OF DATA-
DRIVEN TECHNOLOGIES ON HUMAN DEVELOPMENT**

Friday, October 10, 2025
Hennessy Hall (The Mansion), Fairleigh Dickinson University
285 Madison Ave. Madison, NJ 07940

#SNAS2025

(Please use this hashtag for your conference related social media posts!)

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BREAKFAST & CHECK-IN at LENFELL HALL

[8:00 – 8:45 AM Eastern Time]

PRESIDENT'S WELCOME at LENFELL HALL

Hasan T. Arslan PhD, SNAS President & Professor of Justice & Law Administration, Western Connecticut State University

(Zoom link – Passcode: Lenfell)
[8:45 – 9:00 AM Eastern Time]

OPENING REMARKS at LENFELL HALL

James Almeida, PhD, Dean, Silberman College of Business, Fairleigh Dickinson University

(Zoom link – Passcode: Lenfell)
[9:00 – 9:15 AM Eastern Time]

BREAK

[9:15 – 9:30 AM Eastern Time]

CONCURRENT SESSION 1

[09:30 – 11:00 AM Eastern Time]

(Please choose one of the three meetings to attend.)

Meeting Room 1 at LENFELL HALL

(Zoom link – Passcode: Lenfell)

Session Chair: *Hasan T. Arslan, PhD (arslanh@wcsu.edu)*

Presentation 1: The Illusion of Anonymity: Linkage, Reconstruction, and the Case for Randomization.
Andrew Shao, MS, Nedim Durmus, MD.

Presentation 2: Event Prediction in Evolving Networks: A Dynamic Graph Contrastive Learning Approach.
Esra Akbas, PhD.

Presentation 3: Toward Energy-Efficient Computation: Extending the MePMoS Model with Synaptic Dynamics and Physical Constraints.
Boran Gorur, PhD, Katsushi Arisaka, PhD.

Presentation 4: From News to Forecast in ERCOT: Event-Conditioned LLM Time-Series Forecasting with Reflection.
Samed Cetinkaya, PhD.

Presentation 5: Maximizing Influence in Social Networks via Sheaf Laplacian.
Mehmet Aktas, PhD, Esra Akbas, PhD.

Meeting Room 2 at HARTMAN HALL

(Zoom link – Passcode: Hartman)

Session Chair: *Umit Karabiyik, PhD (ukarabiy@gmu.edu)*

Presentation 1: Sip to Signal: A Framework for Early Detection of Adverse Signals in Consumer Health Data.
Sabah Bushaj, PhD, Palden Sherpa, MS.

Presentation 2: Engineering the Future: Data-Driven Technologies and Their Impact on Human Development.
Ahmet Oztas, PhD

Presentation 3: Fin-H2AN: Fingerprint-based Heterogeneous Hypergraph Attention Network for Molecular Property Prediction.

Lilia Chebbah, PhDc, Khaled M. Saifuddin, PhD, Mehmet Aktas, PhD, Esra Akbas, PhD.

Presentation 4: AI-Driven Computer Vision: Foundations, Innovations, and Applications.

Shruti Bhandari, MD, Vyshnavi Gogineni, MS, Mehmet Kelestemur, PhD, Tolga Ensari, PhD.

Presentation 5: ISAC Analytical Process: A Meta-Framework Transforming Complexity into Actionable Insights.

Murat Cankurt, PhD.

Presentation 6: Data-Enabled Systems Thinking: Advancing Sustainability and Human Well-Being Using LLM Assessments.

Tugba Karabiyik, PhD, Akif Ozer, MS, Umit Karabiyik, PhD.

Meeting Room 3 at SULLIVAN HALL

(Zoom link – Passcode: Sullivan)

Session Chair: *Zeynep Isik-Ercan, PhD (ercan@rowan.edu)*

Presentation 1: Enhancing the Effective Use of Artificial Intelligence in Higher Education: A Case Study with Practices and Recommendations.

Abdulkerim Oncu, PhD, Ihsan Said, PhD, Azamat Zhamanov, PhD.

Presentation 2: Strategy Writing Evaluation with Large Language Models in Introductory Physics.

Amir Bralin, PhDc, Sanjay Rebello, PhD.

Presentation 3: Not Just Apparently: Evidentiality Detection and MT Preferences in Turkish-English Bilinguals.

Sumeyra Tosun, PhD.

Presentation 4 (Online): AI, Linguistic Justice, and Health Equity: Bridging Social Determinants of Education Gaps in Diverse Communities.

Madji Fall, PhD, Navya Kollapally, PhD, Zahra Syed.

Presentation 5: A guideline for researchers and program evaluators: Ethical use of AI and other tools in Qualitative Research.

Zeynep Isik-Ercan, PhD.

BREAK

[11:00 – 11:15 AM Eastern Time]

KEYNOTE SESSION at **LENFELL HALL**

“LEAP Beyond AI: Reinventing Leadership and Human Intelligence”

Micheline Nader, Best-Selling Author, Healthcare Entrepreneur, Philanthropist

(Zoom link – Passcode: Lenfell)

[11:15 AM – 12:30 PM Eastern Time]

LUNCH BREAK at **LENFELL HALL**

[12:30 – 2:00 PM Eastern Time]

DEAN’S PANEL at LENFELL HALL

“The Integration of Artificial Intelligence into Higher Education Curricula”

James Almeida, PhD – Dean, Silberman College of Business, FDU

Oya Tukul, PhD – Dean, Martin Tuchman School of Management, NJIT

Nawal Ammar, PhD – Dean, College of Humanities & Social Sciences, Rowan University

Moderator: Omer Topaloglu, PhD – Chair, Department of Marketing, Management, & Entrepreneurship, FDU

(Zoom link – Passcode: Lenfell)

[2:00 – 3:15 PM Eastern Time]

BREAK

[3:15 – 3:30 PM Eastern Time]

CONCURRENT SESSION 2

[3:30 – 5:00 PM Eastern Time]
(Please choose one of the seven meetings to attend.)

Meeting Room 1 at LENFELL HALL

(Zoom link – Passcode: Lenfell)

Session Chair: *Vijay Sampath, PhD (vsampath@fdu.edu)*

Presentation 1: Predictive Performance of LSTM vs GRU on Google Stock Prices.

Mehmet Orhan, PhD, Zeynep Orhan, PhD.

Presentation 2: Differential Approach of AI Models to Complex Fraud Cases.

Ilbey Budak, PhD, Sirin Budak, PhD.

Presentation 3 (Online): CEO Personality Traits and Relationship-specific Investments in Supply Chain Relationships.

Musa Subasi, PhD, Ariel Rava, PhD, Nick Seybert, PhD, Emanuel Zur, PhD.

Presentation 4: AI-Driven Network Security Monitoring: Leveraging Open-Source Tools and Affordable AI Alternatives.

Azamat Zhamanov, PhD, Fuat Kurucan, Bermet Alibekova, Adem Kakhadze, Ali Kucuk, MS, Fatih Ancin

Presentation 5: Star Power and Smart Giving: Data-Driven Insights on Celebrity Influence on Nonprofits.

Vijay Sampath, PhD, Rajesh Chandrashekar, PhD, Cliff Abdool, PhDc.

Meeting Room 2 at HARTMAN HALL

(Zoom link – Passcode: Hartman)

Session Chair: *Nedim Durmus, MD (nedim.durmus@nyulangone.org)*

Presentation 1 (Best Abstract Award Winner): AI and Ethics in Healthcare: Predicting Cancer with EHR Data and Addressing Equity in Model Development.

Zeynep Akcay Ozkan, PhD.

Presentation 2: Emotional Harms of Artificial Intelligence on Human Psychology and Relations.

Zeynep Orhan, PhD, Mehmet Orhan, PhD.

Presentation 3: E-Cigarettes, Data-Driven Marketing, and Public Health: Medical Harms and Rising Use Among U.S. Youth.

Nedim Durmus, MD.

Presentation 4: The Relative Importance of Health Care in Individuals' Perception of Quality of Life: A Fuzzy Pairwise Comparison Assessment.

Terrence Thomas, PhD, Murat Cankurt, PhD.

Presentation 5: AI-Driven Personalized Treatment in U.S. Healthcare.

Asuman Celik, PhD

Presentation 6: Use of Wearable Technology in Healthcare: Its Benefits and Ethical Concerns.

Emre Goren, MD.

Meeting Room 3 at SULLIVAN HALL

(Zoom link – Passcode: Sullivan)

Session Chair: *Seyma Intepe, PhD (sintepe@umd.edu)*

Presentation 1: Understanding Student and Faculty Perceptions of ChatGPT and the Acceptance of Large Language Models in Higher Education.

Muhammet Dinc, PhD, Ganga Prasad Basyal, PhD.

Presentation 2: A Comparative Analysis of Student and Generative Artificial Intelligence Responses to Assignments in Higher Education

Yavuz Keceli, PhD, Diana Maguire, EdD.

Presentation 3: Deglobalizing Era and Human Capital Mismatch: Rethinking Career Readiness for Entrepreneurial Competitiveness in Africa.

Solomon Nyaanga, PhD, Christian Ehiobuche, PhD, Kwaku Ampadu.

Presentation 4: Toward Ethical Standards for AI in Adult Education: Insights from Virtual Reality Roleplay Experiments with LLMs.

Christine Janssen, PhD, Yogini Joglekar, PhD, Sanika Doolani, PhD.

Presentation 5: Bridging Content Gaps in Pre-Service Mathematics Teacher Education through AI-Supported Personalized Learning.

Kimberly Sirin Budak, PhD, Sait Suer, PhD.

Meeting Room 4 at HENNESSY HALL 11 (2nd Floor)

(Zoom link – Passcode: HH11)

Session Chair: *Hasan T. Arslan, PhD (arslanh@wcsu.edu)*

Presentation 1: Artificial Intelligence as a Mediator Between Organizational Commitment and Employee Performance.

Halil Zaim, PhD, Sabahaddin Zaim.

Presentation 2: Strong Gen-AI Integration for Individual Investing Applications.

Esat Acikgoz, Mahmut Ergin, Said Metin.

Presentation 3: Analyzing the Effects of Artificial Intelligence on Organizational Performance: The Mediating Role of Design Thinking.

Halil Zaim, PhD, Nur Hatice Zaim, Mahina Elchibekova.

Presentation 4: A Machine Learning Approach to Predicting Environmental Performance and Carbon Emissions (U.S. Pharmaceutical Firms).

Murad Ozbilgin.

Presentation 5: Is Artificial Intelligence an Existential Threat to Humanity?

Tarik Sahin and Hasan T. Arslan, PhD.

Meeting Room 5 at HENNESSY HALL 12 (2nd Floor)

(Zoom link – Passcode: HH12)

Session Chair: *Ali Coskun, PhD (coskun@alfred.edu)*

Presentation 1: Exploring the Impact of AI Adoption on High School Students' Academic Perceptions and Performance: The Case of TMSA Charter School.

Burak Cankurt, Ahmet Ilbay, Murat Cankurt, PhD, Orhan Kulahcioglu

Presentation 2: Faith, Leadership, and Social Change: The Role of Religious Belief in African American Women's Organizational Activism.

Fatih Balci, PhD, Amy Ventura, Dageline Noesi, Payton Greene, Brian McDonald, Naariah McGriff, Jariel Valdez, Basmala Mahmood.

Presentation 3: Sleep, Technology, and Teen Well-Being: How Rest Shapes Academic Success and Mental Health.

Zafer Durmus, Irfan Cetinkaya.

Presentation 4: Artificial Intelligence for Climate-Health Resilience: Opportunities and Challenges

Irfan Cetinkaya, Zafer Durmus.

Presentation 5: The Evolving Role of the Auditor in the Age of Artificial Intelligence.

Sophia Symeslatini, Ali Coskun, PhD.

Meeting Room 6 at HENNESSY HALL 35 (3rd Floor)

(Zoom link – Passcode: HH35)

Session Chair: *Necmi Biyikli, PhD (necmi.biyikli@uconn.edu)*

Presentation 1: Assessing Fidelity and Stability of Explanation Methods for Transformer-Based ECG Arrhythmia Detection.

Joel Acosta, Ali Al-Juboori, PhD.

Presentation 2: Detecting Alzheimer's Disease in MRI scans with Machine Learning.

John Giglio.

Presentation 3: Protein Function Prediction Via Multi-Layer Network.

Asya Alyaz, Esra Akbas, PhD.

Presentation 4: Radical Interaction with Dodecane.

Hafsa Eker, Muammer Eker.

Presentation 5 (Online): Unmasking Web Application Flaws: A Security Verification Paper.

Himnisha Chhabra.

Meeting Room 7 (This is a fully VIRTUAL session)

(Zoom link – Passcode: Virtual)

Session Chair: *Etka Topaloglu, PhD (etopalog@nova.edu)*

Presentation 1: Chit-ChatGPT: The Use of Discourse by Organizations in Evolving and Emerging Industries.

Katelynn Sel, PhD, Etka Topaloglu, PhD.

Presentation 2: Artificial Intelligence for Energy Management in SMEs: An Analysis of Enablers and Barriers

Sumeyra Danisman, PhD, Elizabeth Hewitt, PhD.

Presentation 3: Examining the Impact of AI Chatbot Quality on User Proactive Engagement (Hospitality, UK).

Mehdi Rahmani, PhD, Pantae Foroudi, PhD, Asieh Hosseini Tabaghdehi, PhD, Ramin Behbehani, PhD.

Presentation 4: Artificial Intelligence in Early Detection of Breast Cancer.

Haider Ali, PhDc, Ulangul Tilekeeva, PhD.

Presentation 5: Revealing the Unknown: Designing and Evaluating an LLM Agent for Android Mobile Forensics

Vinicius Lima. PhD, Akif Ozer, MS, Mingyang Xie, PhDc, Umit Karabiyik. PhD.

Presentation 6: Exploring AI for Teaching and Learning: A Practical Instructor's Perspective

Zeliha Ozdogan, PhD.

CLOSING REMARKS, MEMBERSHIP MEETING & AWARDS CEREMONY at LENFELL HALL

[5:00 – 5:30 PM Eastern Time]

Join us to hear what is new with SNAS and learn about the ways you can engage with the organization, participate in activities such as mentoring, and serve on committees and the board. In addition, see which proposal wins the best abstract award based on its consistency with the conference theme!

ACKNOWLEDGEMENTS

A special thank you to all who stepped forward to make this conference come to life:

To our Conference Proposal Reviewers:

Abdullah Zorba, MD, Adnan Ozbey, PhD, Ali Coskun, PhD, Dunni Adenuga, PhD, Esra Akbas, PhD, Etkä Topaloglu, PhD, Fatih Balci, PhD, Halil Zaim, PhD, Indrit Hoxha, PhD, Khaled M. Saifuddin, PhD, Kubra Karagoz, PhD, Madji Fall, PhD, Mehmet Aktas, PhD, Mehmet Orhan, PhD, Mehmet Ozbilgin, PhD, Navya Kollapally, PhD, Necmi Biyikli, PhD, Nedim Durmus, MD, Onur Asan, PhD, Ryan Crawford, PhD, Sabah Bushaj, PhD, Selcuk Acar, PhD, Suleyman Tek, PhD, Suleyman Vural, PhD, Sumeyra Danisman, PhD, Sumeyra Tek, PhD, Tugba Karabiyik, PhD, Umit Karabiyik, PhD, Yetkin Yildirim, PhD, Yusuf Danisman, PhD, Zekeriya Akturk, MD, Zeynep Isik-Ercan, PhD, Zeynep Orhan, PhD.

To Our Session Chairs:

Ali Coskun, PhD, Etkä Topaloglu, PhD, Hasan T. Arslan, PhD, Madji Fall, PhD, Necmi Biyikli, PhD, Nedim Durmus, MD, Seyma Intepe, PhD, Umit Karabiyik, PhD, Vijay Sampath, PhD.

Thank you so much for your service to SNAS, an academic community for social impact!

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