

Conference Program ICMI-2025

4th International Conference on Computing and **Machine Intelligence**

> Central Michigan University, USA **April 05-06, 2025**







In-Person Sessions

All timing follows Eastern Daylight Time, (UTC-4)

Day-1:	venue: Courty	ara Hotei
Satu	ırday, April 05	5, 2025

	Saturday, April 05	5, 2025
	Venue Room: Gamma III	Venue Room: Gamma II
07:00 - 17:00	Registration	

08:00 - 08:05 **Conference Opening**

08:05 - 08:50

08:50 - 09:40

09:40 - 10:00

10:00 - 12:00

12:00 - 13:00

13:00 - 14:50

14:50 - 15:00

15:00 - 17:00

10:00 - 12:00

12:00 - 12:30

12:30 - 14:30

14:30 - 14:30

08:00 - 10:00

10:00 - 12:00

12:00 - 12:30

Keynote: Zag Elsayed

Women in Computing and Education (Link)

Coffee Break

In-Person Technical Session - 1

Session Chair: Nelly Elsayed

In-Person Technical Session - 3

Session Chair: Ajmery Sultana

In-Person Technical Session - 5

Online Session-5

Chair: Ezgi Demir

Online Session-9

Online Session-13

Online Session-17

Chair: M. Ajmal Khan

Chair: M. Ajmal Khan

Chair: Ahmed Sherif

Session Chair: Fahmi Khalifa Session Chair: Md Rafiul Kabir **Dinner Break**

17:30 - 19:00 **DAY-1: Online Sessions**

Saturday, April 05, 2025

Lunch Break

Coffee Break

Link-2 Link-3

Link-1 Online Session-1 Online Session-2 08:00 - 10:00 Chair: Mohamed Shaban

Chair: Hassan El Alami

Online Session-14

Online Session-18

Chair: Ganesh Kumar

Chairs: Junaid Shuja,

Wadhah Zeyad Tareq

Online Session-3 Chair: Enkeleda Lulaj

Online Session-6 Chair: Hassan El Alami

Break Online Session-10 Chair: Waleed M. Ead Chair: Ezgi Demir Online Short Video Presentation Session

DAY-2: Online Sessions

Sunday, April 06, 2025

Online Session-7 Chair: Waleed M. Ead Online Session-11

Online Session-15

Online Session-19

Muhammad Davud

Break

Chairs: Faezeh Soleimani,

Chair: Marwa Ben Ali

In-Person Technical Session – 2

In-Person Technical Session - 4

Session Chair: Samah Mansour

In-Person Technical Session - 6

Session Chair: Fahmi Khalifa

Chair: Kasem Khalil Online Session-8 Chair: Rasha Gargees Online Session-12

Chair: Rasha Gargees

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Chairs: Yasser Ismail,

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Online Session-4

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- Baral, Gaurab; Zhou, Junxiu; Shrestha, Sushant; Shrestha, Abhishek; Lama, Nabin 44 Drowsiness Detection Using Convolutional Neural Network with Eye Feature Analysis

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 - Zurqani, Hamdi
 - Estimating Above Ground Forest Biomass Using High-Resolution NAIP Imagery and Deep Learning Hoque, Mahmudul; Hasan, Md Rakibul; Emon, Md. Ismail Siddiqi; Oluwafemi, Ejiga Peter Ojonugwa;
- Rahman, Md Mahmudur; Khalifa, Fahmi

Baral, Gaurab; Zhou, Junxiu

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- Comparative Analysis of Fine-tuned Multimodal Models in Radiology Image Captioning
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Program Details

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3	Isik, Murat; Le, Dexter; Yunusoglu, Aybars; Dikmen, Ismail Can Neuromorphic Circuits with Spiking Astrocytes for Increased Energy Efficiency, Fault Tolerance, and Memory Capacitance
7	Fuentes, Saul; Oyague, Jaime; Castillo-Sequera, José Luis; Wong, Lenis Model for Demand and Price Prediction of Agricultural Products in the Sacred Valley of Cusco Applying Machine Learning Algorithms
12	MALARVIZHI KUMAR, PRIYAN; Korani, Wael; Singh, Madhusudan; Balasubramanian, Prabhu kavin Predictive analytic model for classifying the health state of fetal heart using ensemble model
16	Wulf, Bastian; Polke, Dominik; Ahle, Elmar Active Learning for Gaussian Processes Based on Global Sensitivity Analysis
19	Shaban, Mohamed A GRU-LSTM Network Bank for Efficient Detection of Freezing of Gait for Parkinson's Disease Patients
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54	Uzun, Egemen; Erdem, Yusuf; İzdaş, Tolga; Sancak, Ömerhan; Zeer, Ahmed; İnce, Elif; Uz, Atahan; Shbib, Osama; Doğan, Eren; Kesgin, Himmet Toprak; Yuce, Muzaffer Kaan; Amasyalı, Mehmet Fatih Creating a Large Clean Web Corpus for Turkish
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