33rd International Conference on

Software & Data Engineering (SEDE 2024)

PROGRAM

October 21-22, 2024

Hilton San Diego Airport/Harbor Island, San Diego, California, USA

Sponsored by



International Society for Computers and Their Applications

278 Mankato Ave. #220 Winona, MN 55987 E-mail: isca@isca-hq.org; website: www.isca-hq.org

33rd International Conference on Software & Data Engineering (SEDE 2024)

SPONSOR

International Society for Computers and Their Applications (ISCA)

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Program at a Glance (All times in PDT)

	7:30 am - 8:30 am	Registration and Breakfast (Coffee and Pastry)
	8:45 am – 9:00 am	Opening
	9:00 am –10:00 am	Keynote
	10:00 am – 10:30 am	Break
	10:30 am -12:00 pm	Session 1: Paper ID: 08 Paper ID:27 Paper ID:14
Monday 10/21	12:00 pm – 1:30 pm Conference Luncheon	
	1:30 pm – 3:00 pm	Session 2: Paper ID: 09 Paper ID: 15 Paper ID: 13
	3:00 pm – 3:30 pm	Break
	3:30 pm – 5:00 pm	Session 3: Paper ID: 12 Paper ID: 21 Paper ID: 23

Tuesday 10/22	8:00 am – 9:30 am	Registration and Breakfast (Coffee and Pastry)	
	9:30 am – 10:00 am	Break	
	10:00 am –12:00 pm	Session 4: Paper ID: 25 Paper ID: 28 Paper ID: 10	
	12:00 pm – 1:00 pm Lunch (on your own)		
	1:00 pm – 3:00 pm	Session 5: Paper ID: 05 Paper ID: 11	

Monday, October 21, 2024

REGISTRATION and BREAKFAST 7:30 a.m. – 3:30 p.m.

(Coffee, Tea, Pastries)

Location: Skyline/Lindbergh Room

8:45 a.m. - 9:00 a.m. WELCOME

Location: Skyline/Lindbergh Room

9:00 a.m. - 10:00 a.m. **KEYNOTE SPEAKER**

Dr. Narayan Debnath Founding Dean School of Computing and Informa on Technology and Head Software

Engineering Department Eastern International University Vietnam

Innovative AI Applications: Today and Tomorrow

Location: Skyline/Lindbergh Room

10:00 a.m. – 10:30 a.m. COFFEE BREAK (Location: Skyline/Lindbergh Room))

Machine Learning and Al Applications SESSION 1 Monday, October 21, 10:30 a.m. - 12:00 p.m. Session Chair: Dr. Ajay Bandi

Location: Lindbergh Room

- Enhancing Software Requirements Classification with Machine Learning and Feature Selection Techniques
 - Daniel Lanfear, Mina Maleki and Shadi Banitaan
- 2. ReVisE: Emulated Visual Outfit Generation from User Reviews using Generative-ΑI
 - Samar Rahimi, Subash Neupane, Shaswata Mitra and Sudip Mittal
- 3. Enhancing Generative AI Chatbot Accuracy Using Knowledge Graph
 - Ajay Bandi, Jameer Babu Pinjari, Ruida Zeng and Sai Ram Muthyala

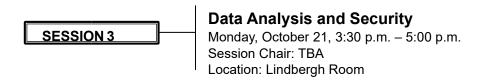
12:00 p.m. - 1:30 p.m. CONFERENCE LUNCHEON and BEST PAPER AWARDS

Software Architecture and Development Monday, October 21, 1:30 p.m. – 3:00 p.m.

Session Chair: TBA Location: Lindbergh Room

- Embracing Residuality Theory in Software Architecture to Address Uncertainty: Key Challenges and Strategies
 - Aziz Fellah
- 2. Evaluating the Impact of Combinatorial Interaction Testing on Test Automation: A Case Study from Industry
 - Feras Daoud, Miroslav Bures, Zdenek David and Petr Syrovatka
- 3. A Survey and Insights on Modern Game Development Processes for Software Engineering Education
 - Aakankshya Shrestha, Fei Zuo, Gang Qian and Junghwan Rhee

3:00 p.m. – 3:30 p.m. COFFEE BREAK (Skyline/Lindbergh Room)



- Enhancing Transparency and Privacy in Financial Fraud Detection: The Integration
 of Explainable AI and Federated Learning
 - Waquar Ahmad, Aditya Vashist, Neel Sinha, Manisha Prasad, Vishesh Shrivastava and Junaid Hussain Muzamal
- 2. JSMBox A Runtime Monitoring Framework for Analyzing and Classifying Malicious JavaScript
 - Phu H. Phung, Allen Varghese, Bojue Wang, Yu Zhao and Chong Yu
- 3. Securing Wireless Sensor Network from Rank Attack Using Fast Sensor Data Encryption and Decryption Protocol
 - Eden Teshome Hunde

Tuesday, October 22, 2024

8:00 a.m. – 10:00 a.m. REGISTRATION – Coffee, tea, Pastries Location: Skyline/Lindbergh Room

Data Engineering and Analysis
Tuesday, October 22, 10:00 a.m. – 12:00 p.m.
Session Chair: TBA
Location: Lindbergh Room

- 1. Racial Disparity in Breast Cancer Prognosis
 - Fariba Jafari Horestani and Mohammad Owrang
- 2. A Case Study on AI to Automate Simulation Modelling
 - Uchechukwu Obinwanne and Wenying Feng
- 3. Zoned role-based approach to system design, implementation, and access control of integrated web applications
 - Harris Wang

12:00 p.m. – 1:00 p.m. LUNCH (on your own)



- Adversarial Attack Optimization and Evaluation for Machine Learning-based Dark Web Traffic Analysis
 - Nyzaireyus Harrison, Heather Broome, Yaju Shrestha, Alexander Robles, Aayush Gautam and Nick Rahimi
- 2. Enhancing IoT Network Defense: A Comparative Study of Machine Learning Algorithms for Attack Classification
 - Alkendria McNair, Devine Precious-Esue, Soundra Newson and Nick Rahimi

3:00 p.m. CONFERENCE ENDS