



SCIoT 2025

The 2nd International Conference on Smart Computing and
Internet of Things Design

July 7–9, 2025 • Dallas, Texas, USA

Date	Time	Presentation
07, July (Mon.)	9:00~10:00	Registration (ECSS 3.503, University of Texas at Dallas)
	10:00~10:10	Opening Ceremony Professor Eric Wong (UT Dallas, Chair, Reliability Society Dallas Chapter)
	10:10~11:10	Keynote Speech I: <i>Test or Trust? Why LLM Applications and Generative AI Need Bulletproof Security</i> Mark Bentsen (Co-founder, Secure IVAI & CIO, CellGate, USA)
	11:10~12:10	Keynote Speech II: <i>Software Observability: from Theory to Practice</i> Ryan Ren (Software Engineer, Compass Inc., USA)
	12:10~14:00	Lunch Break
	Session Chair: Tse-Chuan Hsu	
	14:00~14:30	<i>The Application of Image Recognition and Model Distillation in Monitoring Pedestrian Priority Violations</i> Tse-Chuan Hsu and Tzu-Wei Lo
	14:30~15:00	<i>Utilizing Brain-Computer Interface Technology for Objective Diagnosis of Mental Disorders in Special Needs Children</i> Dong-Meau Chang, Tse-Chuan Hsu, Zhou Liang, and Zengyan Peng
	15:00~15:30	<i>A Prompt-Tuning Approach for Scalable Telco Applications in the Cloud-Fog Computing</i> Cheng-Sung Tsai and Wu-Chun Chung
	15:30~16:00	<i>A Large Language Modeling-based Chat Robot for Medication Education</i> Yen-Heng Lin, Chih-Hung Chang and Po-Yu Liu



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08, July (Tue.)	9:00~10:10	Registration (ECSS 3.503, University of Texas at Dallas)
	10:10~11:10	Keynote Speech III: <i>Student Software Engineering Projects Lessons Learned</i> Dr. Tom Hill (Partner, The Fellows Consulting Group, USA)
	11:10~12:10	Keynote Speech IV: <i>Agentic AI Evolution – The Next Frontier in Artificial Intelligence</i> Dr. Liangseng Koh (CTO, RFCyber Corporation, USA) & Dr. Sean Pan (CEO, RFCyber Corporation, USA)
	12:10~14:00	Luch Break
	Session Chair: Tse-Chuan Hsu	
	14:00~14:30	<i>Automated Discovery and Analysis of Packet Exchange Patterns</i> Chen Xiang and Andrew Lin
	14:30~15:00	<i>Implementing Effective Knowledge Management with Generative AI</i> Liang-Chih Kevin Yang
	15:00~15:30	<i>Towards Robust Tool Wear Monitoring via Multi-Sensor Fusion and a Deep Learning-Based Noise Reduction Model</i> Jian Wen Chen, Meng Shiun Tsai and Che Lun Hung
	15:30~16:00	<i>Development of an acute kidney injury prediction model combining KDIGO guidelines and machine learning</i> Huang Xianzhi



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Date	Time	Presentation
09, July (Wed.)	9:00~10:10	Registration (ECSS 3.503, University of Texas at Dallas)
	10:10~11:10	Keynote Speech V: <i>AI-Driven Early Warning Systems for AML in Third-Party Payments</i> Dr. Tse-Chuan Hsu (SooChow University, Taiwan)
	11:10~12:10	Keynote Speech VI: <i>AI in Higher Education</i> Professor Shuting (Sophia) Hu (Baylor University, USA)
	12:10~14:00	Luch Break
	Session Chair: Tse-Chuan Hsu	
	14:00~14:30	<i>3D Parcel Sizing with Stereo Vision and Lightweight AI</i> Yu-Chia Cheng
	14:30~15:00	<i>Optimizing Dynamic Parking Space Management via Artificial Intelligence</i> Yang Yi Zhen
	15:00~15:30	<i>Incremental learning model based on image-specific feature reinforcements</i> Han-Sheng Lu