Ministry of High Education, Science, and Technology
UNIVERSITY OF JEMBER
Combinatorics, Graph Theory and Network Topology Research Group
KALIMANTAN STREET 37TH KAMPUS BUMI TEGALBOTO, JEMBER 68121 ph. 0331-334988, 330738 fax. 0331-332475

The 4th International Conference on Neural Networks and Machine Learning (ICONNSMAL 2026)
Parallel Session

Wednesday, 12th August 2026

No	Room	Time (WIB)	Paper ID	Title	Author
1	R.1	09.30 – 09.45 a.m.	ICONNSMAL 2026_010	AI-Driven Thematic Analysis of Students' Social-Emotional Needs from Questionnaire and Interview Data: Establishing the Design Foundation of the BIMA-SEL Guidance Module	Weni Kurnia Rahmawati, Akhmad Rifqi Azis, Duwi Sitoresmi, Yohana Mariani Tawa Busa
2		09.45 – 10.00 a.m.	ICONNSMAL 2026_009	Designing INCLUDE-AI: An Intelligent Adaptive Learning System for Inclusive Mathematics Education through Differentiated Instruction and Adaptive Scaffolding	Indah Rahayu Panglipur, Khusna Yulinda Udhiyanasari, Diyah Ayu Rizki Pradita, Siti Rochayah, Diva Oliviya Mayantika
3		10.00 – 10.15 a.m.	ICONNSMAL 2026_002	AI-Driven Thematic Analysis of Inclusive Career Planning Needs: Establishing the Design Foundation for the Smart-Incare Model	BHENNITA SUKMAWATI, INDAH RAHAYU PANGLIPUR, AKHMAD RIFQI AZIS,
4		10.15 – 10.30 a.m.	ICONNSMAL 2026_012	AI-Assisted Thematic Synthesis of Multisensory Learning for Inclusive Early Numeracy: The Magic Aquarium Framework	Indah Rahayu Panglipur, Wijaya Adi, Ratnasari Dwi C, Firman Ashadi
5		10.30 – 10.45 a.m.	ICONNSMAL 2026_005	Integration of Environmental Science in Bottle Waste-Based RBL-STEM Learning Devices and Its Effectiveness on Students' Mathematical Creativity	Waris, Rina Sugiarti Dwi Gita, Mujapar, Gabriel Natalio Dheo
6		10.45 – 11.00 a.m.	ICONNSMAL 2026_006	Understanding Hydroponic Farming Concepts through the Development of RBL-STEM Teaching Materials to Enhance Students' Scientific Literacy	Rina Sugiarti Dwi Gita, Kristin Asri, Permatasari Annisaa, Nostalgianti Citra Prystiananta,

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7		11.00 – 11.15 a.m.	ICONNSMAL 2026_001	Interactive Web-Based Course Scheduling System for Academic Timetabling Visualization: A Case Study at the Informatics Engineering Study Program, Universitas Trunodjoyo Madura	Yonathan Hendrawan, Moch. Budianto, Kurniawan Permana
8		11.15 – 11.30 a.m.	ICONNSMAL 2026_003	Multi-Horizon Prediction of Raw Water Organic Matter Concentration Using CatBoost to Support a PDAM Early Warning System	Kresna Oktafianto, Akas Yekti Pulih Asih, Teguh Herlambang, Nurul Riska Novita, Zuraini Othman, Fararishah Abdul Khalid
9		11.30 – 11.45 a.m.	ICONNSMAL 2026_004	Critical-Graph Characterization of Exact and Projective Recovery in Switched Max-Plus Queueing Networks	Marcellinus Andy Rudhito, Dewa Putu Wiadnyana Putra,
10		11.45 – 12.00 a.m.	ICONNSMAL 2026_007	A Hyperparameter-Tuned Extra Trees Regression Algorithm for Forecasting Monthly Hotel Gas Cost	Teguh Herlambang, Maurisia Putri Permatasari, Damar Kristanto, Rodliyatuz Zulfa, Rizka Miladiah Ervianty, Edwin Fiatiano, Nurul Riska Novita,
11		12.00 – 12.15 a.m.	ICONNSMAL 2026_008	Application of Machine Learning to Support Investment Decisions in Herbal Fast-Moving Consumer Goods (FMCG) Stocks Using SVR and K-Nearest Neighbor	Teguh Herlambang, Anisa Fitri Sya'bania, Annisa Wulandari, Izmi Dwira Eriani, Umi Farichah Bascha, Nurul Riska Novita, Mochammad Romli Arief
12		12.15 – 12.30 a.m.	ICONNSMAL 2026_013	AI-Enhanced Future-Ready Algebra Education: Integrating Metacognitive Regulation and Deep Learning for Adaptive Mathematical Problem Solving	Nopem Kusumaningtyas Sumitro, Era Dewi Kartika
13		12.30 – 12.45 a.m.	ICONNSMAL 2026_011	Assay And Document Provenance Dependence Inflates Structure-Disjoint Validation In CYP3A4 Inhibition Prediction	Ravikumar K., V. Lokesha, Dafik, Ika Hesti Agustin