PARALLEL PRESENTATION SCHEDULE OF ICT-PEP 2025

PARALLEL PRESENTATION SESSION 1 (Wednesday, September 3, 2025)

	ROOM : JASMIN 1 Topic : Power Generation Session Chair : Andi Makkulau Co-Session Chair : Ery Perdana Session PIC : Naily Lathifa Zahra		ROOM : JASMIN 2 Topic : Renewable Energy & Energy Storage Session Chair : Hasna Satya Dini Co-Session Chair : Ramli Hardiman Situmeang Session PIC : Rihadatul Aisy Nafia Putri		ROOM : JASMIN 3 Topic : Transmission & Distribution Systems Session Chair : Muhammad Sofyan Co-Session Chair : Binhot P Nababan Session PIC : Maria Avellia Karisya W.		ROOM : JASMIN 4 Topic : Smart Grids, AI/ML & Policy Session Chair : Pritasari Palupiningsih Co-Session Chair : Hariadi Aji Session PIC : Shabira Salwa Hanan	
Time	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**
13.30 – 13.45	1571132418 — Affordable Online Early Warning System for Generator Failure Prevention and Operational Reliability in Coal-Fired Power Plants	Aditya Mahardhika	1571145035 — Deep Learning Based Vegetation Classification for Power Distribution Networks in Tropical Climate Areas Using Satellite Imagery	Very Fernando	1571130932 — Implementation of Multi-Conductor Clamp to Anomaly Connection on Transmission Line to Reduce Nonessential Power Outage and to Improve Recovery	Parulian Daniel Marsongkal Sidabutar	1571160107 — Conceptual Study of Blockchain-Based Carbon Chain Management in Coal-Fired Power Plants	Fajar Arian Abadi
13.45 – 14.00	1571151543 — Analysis of Co-Firing Using Refused Derived Fuel (RDF) on Circulating Fluidized Bed (CFB) Coal-Fired Power Plant - Study Case at Bangka Island	Jonathan Dian	1571145262 — Designing Electrical Systems for Isolated Areas Using PV and Battery Storage as Strategy to Increase Electrification Ratio: a Case Study in Papua, Indonesia	Kemas M. Tofani	1571145944 — Optimizing Surge Arrester Placement for Enhanced Lightning Protection in Overhead Transmission Lines: an ATP-EMTP Simulation Study	Fakhri Hakim	1571159806 — Designing a Sustainable Power Distribution System for Industrial Growth: a Case Study of Grand Batang City	Fahmy Albar
14.00 – 14.15	1571149714 — Impact of High Ratio Co-Firing of Corn Cob on Boiler Performance, Fuel Cost, and Emissions in a Coal-Fired Stoker System: Experimental Insights	Nur Cahyo	1571146172 — Techno-Economic Feasibility Study of Solar Power Plant - Pumped Hydro Storage for Isolated System Study Case Tagulandang Island	Arif Priyohutomo	1571147228 — Optimizing Transmission Line Arresters Deployment for Ground Wire Lightning Protection in Mahakam Interconnection Network: a Case Study on 150 kV Sangatta-Maloy Line	Rizal Bagja Wiguna	1571159739 — PLN's Obstacles in Expanding Renewable Energy Certificates (RECs) in Indonesia	Nur Widi Priambodo
14.15 – 14.30	1571171017 — Optimized Biomass Mixing Strategy to Minimize Derating in a Coal-Fired Steam Power Plant Using RIOT-Based Monitoring	Ery Perdana	1571167839 — Hybrid Renewable Energy Planning for Strategic Development in Lore Timur, Central Sulawesi	Yusmar	1571168353 — Random Forest Based Data-Driven Method for Optimal Surge Arrester Placement in Electrical Transmission Systems	Andi Hidayah Wisbar	1571170803 — Sustainable Power Distribution Planning Using ESG and SDG Frameworks Reinventing Energy Business to Achieve Indonesia Net Zero Emission 2060	Henri Firdaus
14.30 – 14.45			1571170745 — Pumped Hydro Energy Storage for Load Shifting in the Sulawesi Power System	Ramli Hardiman Situmeang	1571159662 — Fault-Ride-Through Performance of the Proposed Sumatera-Java MMC-HVDC Interconnector	Binhot P Nababan	1571147119 — Considering Adaptive Power System Planning for Indonesia in the Face of Climate Uncertainties	Hariadi Aji

14.45 – 15.15	COFFEE BREAK

PARALLEL PRESENTATION SESSION 2 (Wednesday, September 3, 2025)								
	ROOM : JASMIN 1 Topic : Power Generation Session Chair : Andi Makkulau Co-Session Chair : Benet Sancesky Siregar Session PIC : Naily Lathifa Zahra		ROOM : JASMIN 2 Topic : Renewable Energy & Energy Storage Session Chair : Hasna Satya Dini Co-Session Chair : Abu Ismail Pribadi Session PIC : Rihadatul Aisy Nafia Putri		ROOM : JASMIN 3 Topic : Transmission & Distribution Systems Session Chair : Muhammad Sofyan Co-Session Chair : Fadil Asqhallaniy Session PIC : Maria Avellia Karisya W.		ROOM : JASMIN 4 Topic : Smart Grids, AI/ML & Policy Session Chair : Pritasari Palupiningsih Co-Session Chair : Deny Ahmad Sobar Session PIC : Shabira Salwa Hanan	
Time	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**	**Paper Title**	**Presenter**
15.15 – 15.30	1571167449 — Optimizing Turbine Washing Through Data-Driven Derating Prediction Using Random Forests	Lukman Hakim	1571166839 — Performance and Techno Economic Analysis of the Cirata Floating Solar Power Plant: a Comparison with Ground Based Systems	Zainur Oktafian Prabandaru	1571159964 — Frequency Stability Study of the Khatulistiwa-Sarawak Interconnection Decoupling	Arif Yoga Fitranto	1571170332 — Machine Learning-Based Forecasting and Monitoring for Emission and Fuel Mix Optimization	Fajar Arian Abadi
15.30 – 15.45	1571160021 — Eco En Liza (Utilization of Diesel Engine Coolant Waste Energy as a Source of Electricity for Micro Hydroelectric Power Plants)	Dino Arla	1571159858 — Predictive Modeling of Solar PV Output in Nusa Penida Hybrid Solar Power Plant Using Random Forest and Artificial Neural Networks	Anang Syahbanu	1571157813 — Enhancing Stability of the Kalimantan Interconnection After Ketapang Subsystem Integration Using PSS Optimization	Prawatya Herlambang	1571154948 — Field-Validated Deployment of Smart Self-Healing Systems for Distribution Reliability in West Sumatera	Gilang Rizal Afdholy
15.45 – 16.00	1571176366 — Design and Simulation of Proton Exchange Membrane Fuel Cell Power Generator 10 kW	Benet Sancesky Siregar	1571158409 — Analyzing Deep Neural Architectures for Renewable Forecasting: a Comparative Study of CNN and LSTM on Nusa Penida PVPP Data	Abu Ismail Pribadi	1571149829 — The Impact of Electric Traction Systems on Distribution Grid Power Quality: a Case Study	Fadil Asqhallaniy	1571158607 — Dynamic Dispatch Strategies for Enhancing Economic and Emission Efficiency in Smart Grids with Renewable Energy Integration	Deny Ahmad Sobar