

SEST 2024

7th International Conference
on Smart Energy Systems and Technologies

SEPTEMBER
10-12, 2024
Torino, Italy

DRIVING THE ADVANCES
FOR FUTURE ELECTRIFICATION

Organizers



Platinum Supporter



Silver Supporters



Bronze Supporters



Technical Co-Sponsors



Patronages



PROGRAM AT A GLANCE

TUESDAY 10 SEPTEMBER 2024			
8:15 CEST	Registration Desk Opens		
	Room 3P	Room 4P	Conference Area
9:00 - 10:30 CEST	(Room 3P) OPENING CEREMONY Welcome Addresses Introduction on the Technical Program Plenary Speech, <i>Javier Contreras (UCLM, Ciudad Real, Spain): Incentives for electric vehicle integration in electrical distribution systems</i>		
10:30 - 11:00 CEST	BREAK		
11:00 - 12:15 CEST	T1 - Demand Management and Demand Response Chair: <i>Miadreza Shafie-khah</i> Papers: 138, 114, 269, 18, 90, 228	T2 - Uncertainty Chair: <i>Vincenzo Trovato</i> Papers: 54, 230, 181, 296, 210, 120	Exhibition
12:15 - 13:30 CEST	T3 - Grid and Demand Flexibility Chair: <i>Alfredo Vaccaro</i> Papers: 117, 168, 297, 203, 104, 76	T4 - Integrated and Multi-Energy Systems Chair: <i>Andrea Mazza</i> Papers: 251, 198, 309, 111, 214, 250	
13:30 - 14:45 CEST	LUNCH		
14:45 - 16:00 CEST	T5 - Control Centers and Operational Practices Chair: <i>Gianfranco Chicco</i> Papers: 71, 85, 86, 60, 46, 130	T6 - Electric Vehicles and Transportation Electrification Chair: <i>Cesar Diaz-Londoño</i> Papers: 40, 37, 205, 151, 209, 308	
16:00 - 17:15 CEST	T7 - Power System Stability and Control Chair: <i>Costas Vournas</i> Papers: 78, 83, 248, 97, 247, 127	T8 - Electric Vehicle Charging Chair: <i>Gregorio Muñoz-Delgado</i> Papers: 171, 49, 45, 124, 154, 193	
17:15 - 17:45 CEST	BREAK		
17:45 - 19:00 CEST	T9 - Smart Buildings Chair: <i>Alessandro Ciocia</i> Papers: 241, 148, 194, 36, 137, 260	T10 - Electric Vehicle-based Services Chair: <i>Theofilos Papadopoulos</i> Papers: 219, 189, 112, 135, 19, 223	

WEDNESDAY - 11 SEPTEMBER 2024			
	Room 3P	Room 4P	Conference Area
8:30 - 9:45 CEST	W1 - Distribution Systems Chair: <i>Massimo La Scala</i> Papers: 43, 58, 222, 122, 159, 44	W2 - Power Quality Chair: <i>Angela Russo</i> Papers: 153, 197, 4, 277, 11, 249	Exhibition
9:45 - 10:45 CEST	(Room 3P) Plenary Speaker, Andy Knight (University of Calgary, Canada): Data Informed DER Integration Plenary Speaker, Costas Vournas (NTUA, Athens, Greece): Voltage Stability Monitoring and Security Control using Distributed Resources		
10:45 - 11:15 CEST	BREAK		
11:15 - 12:30 CEST	W3 - Microgrids Chair: <i>Georgios C. Kryptonidis</i> Papers: 38, 191, 139, 141, 125, 91	W4 - Optimization Chair: <i>Luis Baringo</i> Papers: 12, 25, 211, 84, 56, 51	
12:30 - 13:30 CEST	LUNCH		
13:30 - 14:45 CEST	W5 - Grid-connected Power Electronic Converters Chair: <i>Salvatore Musumeci</i> Papers: 92, 240, 107, 227, 243, 164	W6 - Energy Markets Chair: <i>Javier Contreras</i> Papers: 178, 20, 59, 216, 70, 74	
14:45 - 16:00 CEST	W7 - Energy Storage Systems Chair: <i>Oguzhan Ceylan</i> Papers: 29, 186, 236, 264, 42, 220	W8 - Data Analytics Chair: <i>Pietro Colella</i> Papers: 276, 77, 68, 187, 144, 152	
16:00 - 16:30 CEST	BREAK		
16:30 - 17:30 CEST	W9 - Grid Integration of Energy Resources Chair: <i>Gerardo Osorio</i> Papers: 175, 1, 142, 174, 22		
18:30 - 19:00 CEST	Bus transportation: meeting point via Paolo Borsellino 28-44		
19:00 - 23:00 CEST	GUIDED TOUR: Museo del Risorgimento, Torino CONFERENCE DINNER: Museo del Risorgimento, Torino		

THURSDAY 12 SEPTEMBER 2024			
	Room 3P	Room 4P	Conference Area
9:30 - 10:00 CEST	(Room 3P) Plenary Speaker: João P.S. Catalão (FEUP, Porto, Portugal): Demand Response Implementation: Past Developments and Future Perspectives		
10:00 - 11:30 CEST	H1 - Power System Protections Chair: <i>Enrico Pons</i> Papers: 79, 280, 310, 237, 179, 285	H2 - Photovoltaic Systems Chair: <i>Paolo Di Leo</i> Papers: 184, 185, 176, 225, 224, 229	Exhibition
11:30 - 12:00 CEST	BREAK		
12:00 - 13:00 CEST	H3 - Power Electronics and Energy Conversion Chair: <i>Filippo Spertino</i> Papers: 262, 291, 281, 255, 126	H4 - Energy Communities Chair: <i>Roberto Napoli</i> Papers: 88, 28, 150, 259, 288	
13:00 - 13:30 CEST	(Room 3P) CLOSING CEREMONY		
13:30 - 14:45 CEST	LIGHT LUNCH		