

AEIT International 2026 Annual Conference

118th edition Roma ♦ Italy ♦ 8/10 September 2026
Sapienza ♦ University of Rome



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Chapter - Italy Section

Overview

Clean Electrification and Digitalization are driving forces which will shape the world. New technologies and knowledge are needed to make the world more livable and safe.

AEIT2026 International Annual Conference aims to address the main scientific and technological challenges needed today both to decarbonize the environment and to guarantee the security of energy supplies for our communities. These themes will in fact be the main themes of the conference.

AEIT2026 is an international forum dedicated to the dissemination of new ideas, research and work in progress in the sectors of integration of renewable energy, generation, transmission and distribution of energy, power systems, power electronics, automation and ICT applications. The objectives of the conference are high quality research and professional involvement between industry and academia for the advancement of science technology and education.

The event can also be an occasion for fruitful discussions on energy plans to be developed in conditions of uncertainty in a complex world.

AEIT2026 is in its 118th edition: speakers and participants will be connected all over the world. The main features of the conference include Invited Talks, Regular Sessions, Special Sessions



Selected papers from this Conference may be eligible for review by IEEE-Industry Applications Society for possible publication in IEEE Transactions on Industry Applications or IEEE Industry Applications Magazine. The Conference Organizers will make the selection and submit a list of papers to IEEE-IAS, and will notify authors of their selection after the close of the Conference. Questions on this selection should be addressed to the Conference Organizers. IEEE-IAS will then contact the authors of papers selected for consideration with information on how they may be submitted for review. Further information on IEEE-IAS publications, and the obligations of authors, can be found in the Information for Authors on the IEEE-IAS web site, <https://ias.ieee.org/publications/>

Venue

Sapienza University of Rome

Faculty of Engineering

Via Eudossiana 18 ♦ Rome, Italy

On Site Secretariat

The Conference Secretariat will be open on site as follows

- ♦ **Tuesday 8 September 08:30 ♦ 19:00**
- ♦ **Wednesday 9 September 08:30 ♦ 19:00**
- ♦ **Thursday 10 September 08:30 ♦ 13:00**

Secretariat:

AEIT Ufficio Centrale ♦ Via M. Macchi 32 - Milano

mail: convegnoannuale@aeit.it

web site: <https://convegni.aeit.it/AEIT2026>



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 Dario Zaninelli ♦ Politecnico di Milano, Italy
 Gaetano Zizzo ♦ Università di Palermo, Italy



TUESDAY, 8 SEPTEMBER

8:30-9:00 ♦ Registration

9:00-9:15 ♦ SALA DEL CHIOSTRO ♦

Apertura dei lavori

Giuseppe Parise ♦ *Presidente Generale AEIT, AEIT2026 General Chair*

Carlo Massimo Casciola ♦ *Preside Facoltà di Ingegneria Civile e Industriale Sapienza Università di Roma*

Fabrizio Pilo ♦ *AEIT2026 Technical Program General Chair*

9:15-10:15 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS

♦ ROOM A ♦

TS01 ♦ Power Systems

Chair: Enrico Maria Carlini ♦ *Terna*

TS01_01 ♦ A Deterministic Synchronization Method for Synchronous Condensers with High-Granularity Modeling and Self-Learning Optimization ♦ Domenico Tedeschi ♦ *Terna Rete Italia, Italy; Francesco Sanniti, Roberto Benato ♦ University of Padova, Italy*

TS01_02 ♦ Accuracy-Complexity Trade-Offs in Optimal Reactive Power Dispatch for the Italian Transmission System ♦ Francesco Del Pizzo, Giorgio Maria Giannuzzi, Salvatore Tessitore ♦ *Terna Rete Italia, Italy; Silvia Iuliano, Alfredo Vaccaro ♦ University of Sannio, Italy*

TS01_03 ♦ Coordinated Regional Operational Security Optimization: A Mathematical Framework for the CROSA Process ♦ Luca Ortolano, Claudio Coluzzi, Marco Barbetta, Alessandra Restelli, Andrea Mannocchi, Roberto Puddu ♦ *Terna, Italy; Alberto Geri, Marco Maccioni, Ludovico Nati ♦ Sapienza University of Rome, Italy*

TS01_04 ♦ Impact of Grid-Forming Inverters on the Propagation of Frequency-Power Waves ♦ Luca Ponzio, Rossano Musca, Mariano Ippolito ♦ *University of Palermo, Italy*

♦ ROOM B ♦

TS02 ♦ Telecommunications

Chair: Alessandro Vizzarri ♦ *University of Rome Tor Vergata*

TS02_01 ♦ Analysis of 5G/6G Non-Terrestrial Networks: Architectures, Use Cases, and Sustainability ♦ Marina Lotti, Claudia Carciofi, Simona Valbonesi ♦ *Fondazione Ugo Bordonì, Italy*

TS02_02 ♦ High-Frequency Radio Systems and Networks for 6G Smart Environments: Results from the 6GWINET Project ♦ Umberto Spagnolini, Ilario Filippini, Marouan Mizmizi, Christian Mazzucco, Marco Mezzavilla ♦ *Politecnico di Milano, Italy; Francesco Matera, Federica Mangiatordi, Marina Settembre ♦ Fondazione Ugo Bordonì, Italy; Paolo Rocca ♦ University of Trento, Italy; Daniele Piazza, Michele Capobianco ♦ Adant Technologies, Italy; Federico Civerchia, Luca Maggiani ♦ SMARTY, Italy; Gianleonardo Solazzi ♦ SIAE Microelettronica, Italy*

TS02_03 ♦ Interference-Driven Clustered Optimisation for FM Spectrum Coordination ♦ Federica Mangiatordi, Emiliano Pallotti ♦ *Fondazione Ugo Bordonì, Italy*

TS02_04 ♦ Towards Zero-Touch in the Integration of Terrestrial and Non-Terrestrial Networks: From Intent-Based Networking to Agentic AI ♦ Francesco Matera, Marina Settembre ♦ *Fondazione Ugo Bordonì, Italy; Alberto Gotta, Giuseppe Soriano ♦ CNR-ISTI, Italy; Arcangela Rago, Giuseppe Piro, Luigi Alfredo Grieco ♦ Politecnico di Bari, Italy; Andrea Detti, Franco Mazzenga, Alessandro Vizzarri ♦ University of Tor Vergata, Italy; Simone Morosi ♦ University of Florence, Italy*

♦ ROOM C ♦

TS03 ♦ Power Electronics

Chair: Daniele Menniti ♦ *University of Calabria*

TS03_01 ♦ Closed-Form Impedance Modeling of Grid-Forming Converters with Virtual-Admittance Control for Harmonic Stability Analysis ♦ Emanuele Fedele, Luigi Pio Di Noia ♦ *University of Naples Federico II, Italy; Salvatore D'Arco ♦ SINTEF Energy, Norway*

TS03_02 ♦ Comparative Design and Analysis of Inductive and Capacitive Near-Field Wireless Power Transfer Systems Under Unified Specifications ♦ Reinaldo Avelino, Salvatore Musumeci, Luigi Solimene ♦ *Politecnico di Torino, Italy*



TS03_03 ♦ Impact of Network Modelling on the Stability of Grid-Following Inverters ♦ Riccardo Vignoli ♦ *Terna Rete Italia, Italy and University of Pisa, Italy*; Giovanni Rinzo, Giuseppe Lisciandrello, Benedetto Aluisio, Luca Orrù; Salvatore Tessitore, Giorgio Maria Giannuzzi, Silverio Casulli ♦ *Terna Rete Italia, Italy*; Stefano Barsali ♦ *University of Pisa, Italy*

TS03_04 ♦ Upgrading Two-switch Flyback Converters for High-Power, High Power Density Applications ♦ Claudio Adragna, Emanuele De Bartolomeo, Federico Levati ♦ *STMicroelectronics, Italy*

10:15-11:15 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Resilienza delle grandi infrastrutture

Chair: Giuseppe Parise ♦ *Presidente Generale AEIT, AEIT2026 General Chair*

Con la partecipazione di:

Guido Guidi Buffarini ♦ *FS Engineering*

Alessandro Palazzoli ♦ *Responsabile Pianificazione e Sviluppo Rete Areti*

Marcello Paolucci ♦ *Consiglio Superiore dei Lavori Pubblici*

Antonio D'Andrea ♦ *Sapienza Università di Roma*

Paolo Veltri ♦ *Università della Calabria*

11:15-12:10 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Elettrificazione degli usi finali motori della competitività del Paese

Parte 1 ♦ Il sistema energetico e le reti

Chair: Fabrizio Pilo ♦ *AEIT2026 Technical Program General Chair*

Con la partecipazione di:

Enrico Maria Carlini ♦ *Grid Planning, Interconnections and Permitting, Director · Terna*

Vincenzo Ranieri ♦ *CEO E-Distribuzione*

Franco Cotana ♦ *CEO Ricerca sul Sistema Energetico RSE*

Guido Bortoni ♦ *CESI Chairman*

12:20-13:00 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Elettrificazione e decarbonizzazione motori della competitività del Paese

Parte 2 ♦ Prospettive e opportunità

Chair: Fabrizio Pilo ♦ *AEIT2026 Technical Program General Chair*

Con la partecipazione di:

Flavio Villa ♦ *Country Managing Director, Chairman, & General Manager of Hitachi Energy Italy*

Claudia Guenzi ♦ *Head of Smart Infrastructure Siemens*

Marco Marelli ♦ *Prysmian Technology Strategy and Stewardship Director*

13:00-14:00 ♦ Lunch

14:00-15:45 ♦ SALA DEL CHIOSTRO ♦

TAVOLA ROTONDA ♦ Consorzio IRIS LAB

L'altra faccia dell'Intelligenza Artificiale

Dalla crescita dei consumi alle nuove soluzioni per un'AI energeticamente sostenibile

Chair: Giuseppe Tomasso ♦ *Professore Ordinario di Convertitori, Macchine e Azionamenti Elettrici Università di Cassino, Presidente del Comitato Tecnico Scientifico e del Comitato Ricerca e Innovazione del Consorzio IRIS LAB*

Con la partecipazione di:

Stefano Manzini ♦ *Consigliere Consorzio IRIS LAB*

Enrico Maria Carlini ♦ *Pianificazione di Sviluppo, Rete e Strategia di Sistema Terna*

Francesco Gennaro ♦ *Power Conversion Application Manager STMicroelectronics*

Simone Gianfranceschi ♦ *CTO INTECS Technologies*

Mario Pagano ♦ *Professore Università di Napoli "Federico II" e membro del CRIAT*

15:45-16:00 ♦ Coffee Break

16:00-16:15 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Elettrificazione e decarbonizzazione motori della competitività del Paese

Livio de Santoli ♦ *Collegio ARERA e Sapienza Università di Roma*



16:15-18:15 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS

♦ ROOM A ♦

TS04 ♦ Smart Grids & Flexibility

Chair: Luigi Martirano ♦ *Sapienza University of Rome*

TS04_01 ♦ Edge-Cloud Middleware Architecture for Demand Flexibility Coordination in Sustainable Energy Communities ♦ Muhammad Paend Bakht, Fabiano Pallonetto ♦ *Maynooth University, Ireland*; Muhammad Anique Aslam, Terence O'Donnell ♦ *University College Dublin, Ireland*; Nuzhat Khan ♦ *University Teknologi Malaysia, Malaysia*; Mohammed Riadh Habour ♦ *Dublin City University, Ireland*

TS04_02 ♦ Harmonic Performance Assessment of Terna's 40 MW Stabilizing Device ♦ Gianluigi Gemelli, Francesco Palone, Tommaso Serni, Leonardo Soldani, Sejdi Shehaj, Pierluigi Vacante ♦ *Terna, Italy*

TS04_03 ♦ Real-time optimization of electric vehicle charging in renewable energy communities ♦ Giovanni Brusco, Gioanna Loi, Daniele Menniti, Giada Tucci ♦ *University of Calabria, Italy*; Nicola Sorrentino, Pasquale Troiano Scognamiglio ♦ *University Pegaso, Italy*

TS04_04 ♦ Techno-Economic-Environmental Assessment of V2G Integration in Renewable Energy Communities ♦ Valeria Casalicchio, Tohid Harighi, Giuseppe Rotondo, Matteo Giacomo Prina, Grazia Barchi ♦ *EURAC Research, Italy*

TS04_05 ♦ Unlocking Thermal Flexibility: Cold Rooms as Virtual Batteries in the Food Industry ♦ Matteo Gerola ♦ *Maps Energy, Italy*; Marcelo Dario Rodas Britez, Roberto Doriguzzi-Corin ♦ *Fondazione Bruno Kessler, Italy*; Pietro Bizzarri, Lorenzo Niccolai ♦ *Maps, Italy*

TS04_06 ♦ High-Resolution Load Capability Assessment of a Large-Scale LV Distribution Network: A Real Case Enabled by Smart Metering ♦ Jacopo Dell'Olmo, Paolo Sancioni, Elisa Pintore ♦ *Areti, Italy*; Tommaso Bragatto, Marco Maccioni, Alberto Geri ♦ *Sapienza University of Rome, Italy*

TS04_07 ♦ A Modular Simulator for Grid-Aware Flexibility Orchestration in Heterogeneous Energy Communities ♦ Giulia Crespi, Iliana Vigna ♦ *IREN, Italy*; Giorgia Macciò, Stefano Massucco, Gabriele Mosaico, Matteo Saviozzi ♦ *University of Genoa, Italy*

TS04_08 ♦ Frequency Support and Power Sharing Dynamics in Mixed Grid-Following and Grid-Forming Low Inertia Distribution Networks ♦ Daniele Menniti, Giovanni Brusco, Giuseppe Barone, Giampiero Spena ♦ *University of Calabria, Italy*; Nicola Sorrentino ♦ *University Pegaso, Italy*; Angel Oswaldo Ocana Guevara ♦ *Creta Energie Speciali, Italy*

♦ ROOM B ♦

TS05 ♦ Distribution Networks

Chair: Fabrizio Pilo ♦ *University of Cagliari*

TS05_01 ♦ Energy Losses on Distribution Networks: Regulation, Scenarios and Mitigation Options ♦ Chiara Michelangeli, Giacomo Viganò, Marco Rossi, Lorenzo Lelli ♦ *Ricerca sul Sistema Energetico, Italy*

TS05_02 ♦ Generating Synthetic MV Distribution Networks from GIS Open Data: a Framework Applied to Italy ♦ Giacomo Viganò, Marco Rossi ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

TS05_03 ♦ Scalable Hierarchical Methodology for Low Voltage Adequacy Assessment in Distribution Network Planning ♦ Corrado Maria Caminiti, Aleksandar Dimovski, Davide Fratelli, Marco Merlo ♦ *Politecnico di Milano, Italy*; Massimo Franceschini, Matteo Collini ♦ *SET Distribuzione, Italy*

TS05_04 ♦ TSO-DSO coordination: application of Ri.Ge.Di procedure in the Italian power system ♦ Cristiano Quaciari, Cosimo Pisani, Fabio Bulgarelli, Guido Coletta, Giorgio Orlando, Alfonso Pandolfi, Raffaele De Lucia, Marco Galici, Francesca Moccia, Verdiana Ambrosi ♦ *Terna, Italy*

TS05_05 ♦ Voltage or Thermal Limits? The Real Nightmare in Distribution Grids with V2G-enabled EVs ♦ Fabrizio De Caro, Alfredo Vaccaro ♦ *University of Sannio, Italy*; Giuseppe Graber, Vito Calderaro, Vincenzo Galdi ♦ *University of Salerno, Italy*

TS05_06 ♦ Optimal Scheduling of Demand-side Resources for Local Flexibility Services ♦ Angelo Velini, Marco Menga, Roberto Cometa, Sergio Bruno ♦ *Politecnico di Bari, Italy*; Alessandro Burgio ♦ *ENI Plenitude, Italy*; Andrea Bonfiglio ♦ *University of Genoa, Italy*

♦ **ROOM C** ♦**TS06 ♦ Diagnostics & Monitoring***Chair: Chiara Vergine ♦ Terna*

TS06_01 ♦ Assessment of Cast-Resin Power Transformer Degradation Using Electrical Diagnostic Methods ♦ Marco Balato, Antonio Di Pasquale, Diego Iannuzzi, Andrea Oppio, Mario Pagano, Carlo Petrarca ♦ *University of Naples Federico II, Italy*

TS06_02 ♦ Gateway Uplink Sizing for Multi-Tenant MQTT Delivery with Replication and a Unified Namespace ♦ Kyrylo Nemchenko, Larysa Globa ♦ *Kyiv Polytechnic Institute, Ukraine*; Franco Mazzenga, Alessandro Vizzarri ♦ *University of Rome Tor Vergata, Italy*

TS06_03 ♦ RESP: a Risk Evaluation Semantic Platform for Energy Networks Assets ♦ Luca Croce, Gabriele Paludetto ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

TS06_04 ♦ Study of the Impacts of Diurnal and 'Nighttime' Heat Waves on Energy Demand in Sicily ♦ Giuseppe M. Tina, Claudio F. Nicolosi, Cristina Ventura, Stefano Aneli, Antonio Gagliano ♦ *University of Catania, Italy*

TS06_05 ♦ Sustainable Management of SF₆ Gas in High-Voltage Equipment: Regulatory Innovation and Professional Competencies ♦ Laura Benanti, Chiara Vergine, Paolo Azzerboni, Sebastiano Mario Vitali, Massimiliano Nebuloni ♦ *Terna Rete Italia, Italy*

TS06_06 ♦ The New Italian Secondary Voltage Regulation: a data-driven MPC approach ♦ Martina Giampaglia, Andrea Pomarico, Alberto Berizzi - *Politecnico di Milano, Italy*; Giorgio Giannuzzi, Silverio Casulli, Salvatore Tessitore, Paolo Di Gloria ♦ *Terna Rete Italia, Italy*

16:15-18:15 ♦ SALA DEL CHIOSTRO ♦**SME and Start Up Session***Chair: Alberto Birga ♦ AEIT2026 SME Relations Chair, Italy*♦ **Oltre l'efficienza: progettare stack per l'elettrolisi***Andrea Riva ♦ CEO e Cofondatore Antares Electrolysis*♦ **Tutto Parte da un Dato Affidabile - Ingegneria Strutturale · Rilievo ad Alta Digitalizzazione · Digital Twin***Enrico Sterpi ♦ Presidente e Amministratore Delegato PN15*♦ **AI Digital Twin e monitoraggio continuo per la transizione energetica portuale***Gabriele Trentin ♦ CEO e Cofondatore AI CURE*♦ **Energy demands for forecasting for renewable energy commitments by using AI: from research to operations***Muhammad Akram ♦ PhD student KOALA SB*♦ **RISE: Remote Images Support for Emergencies***Paolo Campanella ♦ Manager WASDI SARL*♦ **Soluzioni digitali per la transizione energetica: i progetti SPARKLE e DANTE***Michele Giacobazzi ♦ CTO e Founder WELLD SAGL*♦ **Edilizia Sostenibile e Strategie di Certificazione: Soluzioni Integrate per il Valore Aggiunto degli Asset Immobiliari***Gianluca Padula ♦ Sustainability Division Manager R2M SOLUTION*♦ **From Vibration Data to Operational Intelligence: A Data-Driven Framework for Identifying Operational States***Christian Riccio ♦ PhD, Research Investigator Y Digital*♦ **Oltre la deepfake detection: multimedia forensics agentica per contenuti digitali affidabili***Daniele Miorandi ♦ CEO e Cofondatore TRUEBEES***18:15-18:45 ♦ SALA DEL CHIOSTRO ♦****Student Grant Isabella Sassi Bonadonna**



WEDNESDAY, 9 SEPTEMBER

8:45-10:45 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS

♦ ROOM A ♦

TS07 ♦ Resilience of Distribution and Transmission Systems ♦ Special Session

Chairs: Massimo Pompili ♦ *Sapienza University of Rome*

Emanuele Ciapessoni ♦ *Ricerca sul Sistema Energetico - RSE*

Luigi Calcara ♦ *Sapienza University of Rome*

TS07_01 ♦ Performance Evaluation of Software-defined Protection Concepts on Industrial Automation Hardware in Digital Substations ♦ Florian Weißberg, Svenja Joseph, Christian Rehtanz ♦ *TU Dortmund University, Germany*; Nils Johannsen ♦ *Beckhoff Automation, Germany*

TS07_02 ♦ Prioritizing What Must Not Stop: Vulnerability Management for Grid Automation Systems ♦ Roberto Minicucci ♦ *GE Vernova, Italy*

TS07_03 ♦ Assessment of capital-light interventions to enhance the resilience of overhead lines against wet snow sleeves formation and strong wind in the Italian National Transmission Grid ♦ Emanuele Ciapessoni, Diego Cirio, Andrea Pitto, Giovanni Pirovano ♦ *Ricerca sul Sistema Energetico RSE, Italy*; Simona Ciancio, Alessandro Lazzarini, Federico Falorni, Giuseppe Berrettoni ♦ *Terna, Italy*

TS07_04 ♦ A Linear Programming Based Grid-Aware Industrial Energy Management System with Power-System-in-the-Loop Validation ♦ Stefan Bühner, Thomas Schwierz, Florian Weißberg, Christian Rehtanz ♦ *TU Dortmund University, Germany*

TS07_05 ♦ Climate Resilience Assessment of a Critical Transmission Infrastructure Through Hydrological Reconstruction of Flood Events: The Serio River Case Study ♦ Gabriella Petaccia, Francesco Cecchetelli, Giuseppe Barbero ♦ *University of Pavia, Italy*; Matteo Pagliardi, Vincenzo Lo Regio, Chiara Vergine, Pier Luigi Zanni ♦ *Terna Rete Italia, Italy*

TS07_06 ♦ Building today the Transmission Grid of tomorrow: infrastructure, operational organisation and legacy for Milano Cortina 2026 ♦ Sergio Tricoli, Michele Bennato, Marco L. Crociani, Chiara Vergine, Cristiano Quaciari ♦ *Terna Rete Italia, Italy*

TS07_07 ♦ Heat-wave criterion re-evaluation due the evolution of climate change ♦ Massimo Pompili, Luigi Calcara ♦ *Sapienza University of Rome, Italy*

♦ ROOM B ♦

TS08 ♦ Renewable Energy

Chair: Susanna Mocci ♦ *University of Cagliari*

TS08_01 ♦ AI-Based Anomaly Detection for Floating Offshore Wind Power Systems under Incomplete Data ♦ Mehdi Forouzanfar, Hossein Safaeipour, Vahid Mirahi ♦ *Islamic Azad University, Iran*; Anna Pinnarelli ♦ *University of Calabria, Italy*

TS08_02 ♦ Assessment of Evaporation Rates in Basins Partially Covered by Floating Photovoltaic Systems ♦ Claudio F. Nicolosi, Giuseppe M. Tina, Antonio Gagliano ♦ *University of Catania, Italy*; Alessio Cucuzza, Fabrizio Bizzarri, Andrea Canino ♦ *Innovation EGP&TGX, Italy*

TS08_03 ♦ Experimental Validation of a Dynamic Load Model for Distribution Network Restoration ♦ Sebastian Dambone Sessa, Francesco Sanniti, Roberto Benato ♦ *University of Padova, Italy*; Cosimo Pisani, Michele Poli, Giorgio Maria Giannuzzi ♦ *Terna Rete Italia, Italy*

TS08_04 ♦ Hydrological modeling to support water management and hydropower production: a case study ♦ Matia Carlin, Alessio Franzinelli, Francesco Colaone ♦ *Dolomiti Energia, Italy*; Marco Lomazzi, Fabio Rameni ♦ *DHI, Italy*; Simone Ippoliti, Diego Bandera, Diego Avesani, Bruno Majone, Michael Christian Matiu, Lorenzo Giovannini, Dino Zardi ♦ *University of Trento, Italy*

TS08_05 ♦ Power Hardware-in-the-Loop Validation of Upward Power Reserve Control for Frequency Regulation by Photovoltaic Plants ♦ Francesco Conte ♦ *Campus Bio-Medico University of Rome, Italy*; Fabio D'Agostino, Stefano Masuccio, Matteo Saviozzi ♦ *University of Genoa, Italy*; Marco Raffaele Rapizza ♦ *Ricerca sul Sistema Energetico - RSE, Italy and Politecnico di Milano, Italy*; Alessandro Veroni ♦ *Ricerca sul Sistema Energetico - RSE*



TS08_06 ♦ Topology Optimization for Congestion Management Based on Analytical Linearization of Power-Flow Equations ♦ Paolo Cattaneo, Giovanni Rinzo, Benedetto Aluisio ♦ *Terna, Italy*; Andrea Fronteddu, Federico Lanzellotto, Adriano Gubernali, Giorgio Giannuzzi ♦ *Terna Rete Italia, Italy*; Sebastiano Pinna, Andrea Nerli, Andrea Rucci ♦ *Deda Next, Italy*

TS08_07 ♦ National Scale Characterization of Residential and Workplace EV Charging Management for Bulk Power System Evaluation ♦ Sara Salamone, Filippo Colzi - *Ricerca sul Sistema Energetico - RSE, Italy*

TS08_08 ♦ A Python Tool for Optimal Sizing of PV and BESS in Railway Traction Power Substations ♦ Alessandro Ruvio, Maria Carmen Falvo, Massimo Pompili, Marco Maccioni, Tommaso Bragatto, Ludovico Nati ♦ *Sapienza University of Rome, Italy*

♦ ROOM C ♦

TS09 ♦ Protection & Automation

Chair: Roberto Benato ♦ *University of Padova*

TS09_01 ♦ Arc Flash Risk Analysis Quantifying the Human Error Contribution Effects ♦ Roberto Benato, Francesco Sanniti, Sebastian Dambone Sessa ♦ *University of Padova, Italy*; Luciano Minto ♦ *CT78 CEI, Italy*; Pietro Antonio Scarpino ♦ *University of Florence, Italy*

TS09_02 ♦ Availability analysis and economic trade-off of possible power supply architectures for the IT room of an AI data center ♦ Fabio Bignucolo, Angela Carollo ♦ *University of Padova, Italy*; Riccardo Clementi ♦ *Ortus Italy, Italy*

TS09_03 ♦ Integration of Differential Protection Systems in Primary Transmission Network Lines ♦ Giorgio Maria Giannuzzi, Luciano Vignolini, Gianluca Ramundo, Stefano Terzulli, Gionata La Barba ♦ *Terna Rete Italia, Italy*

TS09_04 ♦ New Generation Link Boxes for High-Voltage Cable Systems: A Modular, Enclosure-Free Architecture Addressing the Limitations of Conventional Technology ♦ Pietro Corsaro ♦ *C&G Agency, Switzerland*

TS09_05 ♦ Towards an Energy Labelling Methodology for Road Tunnels: Indicators, Models, and Performance Assessment ♦ Giovanni Mercurio Casolino, Pietro Varilone, Paola Verde ♦ *University of Cassino and Southern Lazio, Italy*; Sebastiano Nicotra, Stefano D'Ambrosio ♦ *ANAS, Italy*; Pietro Palladino ♦ *Politecnico di Milano, Italy*

10:45-11:00 ♦ Coffee Break

11:00-12:00 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Telecomunicazioni

Edge Cloud Computing nelle reti di telecomunicazioni: le sperimentazioni E-CLONET ed InDRA

Chair: Alessandro Vizzarri ♦ *Università di Roma Tor Vergata*

Con la partecipazione di:

Armando Calabrese ♦ *Direttore Dipartimento di Ingegneria dell'Impresa "M. Lucertini", Università di Roma Tor Vergata*

Francesco Sbordone ♦ *Dipartimento per la Trasformazione Digitale della Presidenza del Consiglio dei Ministri*

Gianfranco Ciccarella ♦ *Consulente ICT*

Franco Mazzenga ♦ *Referente Progetto E-CLONET, Dipartimento di Ingegneria dell'Impresa "M. Lucertini", Università di Roma Tor Vergata*

Alessandro Vizzarri ♦ *Dipartimento di Ingegneria dell'Impresa "M. Lucertini", Università di Roma Tor Vergata*

Gianluca Pepe ♦ *Sapienza Università di Roma*

12:00-13:00 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Sicurezza nei Lavori Elettrici e Sistemi Elettrici Complessi

Chair: Giuseppe Parise ♦ *Presidente Generale AEIT, AEIT2026 General Chair*

Con la partecipazione di:

Massimo Bartolucci ♦ *Presidente CT 78 CEI*

Francesco Ceccarelli ♦ *Responsabile Health, Safety, Environment and Quality E-Distribuzione*

Chiara Vergine ♦ *Responsabile Dipartimento Trasmissione Nord Terna*

13:00-14:00 ♦ Lunch



14:00-15:00 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Ritorni dell'esperienza Milano Cortina 2026 - investimenti infrastrutturali sul sistema elettrico e gestione operativa

Chair: Chiara Vergine ♦ Terna

Con la partecipazione di:

Vincenzo Di Luozzo ♦ *E-Distribuzione, Head of Energy presso Fondazione Milano Cortina 2026*

Luca Allulli ♦ *Fondazione Ugo Bordoni*

Sergio Tricoli ♦ *Terna Responsabile Costruzioni Sicurezza e Ambiente • Operations Rete e Dispacciamento*

Davide Prando ♦ *Responsabile Area Tecnica Edyna*

Matteo Collini ♦ *Set Distribuzione*

15:00-16:15 ♦ SALA DEL CHIOSTRO ♦

CASE HISTORIES

Chairs: Massimo Pompili ♦ *AEIT2026 Local Chair*

Enrico Maria Carlini ♦ *AEIT2026 Technical Program Chair*

Con la partecipazione di:

Alfonso Sturchio ♦ *Head of Manutenzione Rete e Gestione Lavori di Enel Grids and Innovation Italy*

Paolo Sancioni ♦ *Head of Strategic Planning Areti*

Fabio Monachesi ♦ *Siemens Global Product Manager*

Matteo Tropeano ♦ *Business Development ASG Superconductors*

15:00-16:15 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS

♦ ROOM A ♦

TS10 ♦ Microelectronics, AI and Space ♦ Special Session

Chairs: Antonio Imbruglia ♦ *AEIT-AMES*

Enrico Massoni ♦ *ESA-ESTEC*

TS10_01 ♦ Microelectronics roadmap ♦ Enrico Sangiorgi ♦ *University of Bologna, Italy*

TS10_02 ♦ Integrated Multiphysics Virtual Prototyping Workflow for SiC based Power Modules ♦ Gaetano Bazzano, Alessandro Tumminia ♦ *Vishay Semiconductor Italiana, Italy*; Michele Calabretta ♦ *University of Messina, Italy and Vishay Semiconductor Italiana, Italy*

TS10_03 ♦ Hyperbolic Artificial Intelligence for Industrial Applications: Power Device Residual Lifetime Estimation ♦ Francesco Rundo, Massimo Orazio Spata, Sebastiano Battiato ♦ *University of Catania, Italy*

TS10_04 ♦ The European Chips Act: are we closing the gap? ♦ Livio Baldi, Antonio Imbruglia ♦ *AEIT - AMES, Italy*; Paolo Azzoni ♦ *Eurotech, Italy*; Vittorio Ferrari ♦ *University of Brescia, Italy*; Enrico Sangiorgi ♦ *Fondazione Chips-IT, Italy*

TS10_05 ♦ From Chips to Constellations: Microelectronics in the New Space Era ♦ Enrico Massoni ♦ *ESA-ESTEC, The Netherlands*

♦ ROOM B ♦

TS11 ♦ Industrial Applications

Chair: Paola Verde ♦ *University of Cassino and Southern Lazio*

TS11_01 ♦ A Fast Computational Framework for Generating Eco-Drive Speed Profiles for Urban Railways ♦ Giuseppe Graber, Piera Stella, Vito Calderaro, Vincenzo Galdi, Antonio Piccolo ♦ *University of Salerno, Italy*; Luigi Fratelli ♦ *Hitachi Rail STS, Italy*

TS11_02 ♦ Feasibility of electrifying maritime, lake and lagoon passenger routes in Italy using different types of vessels ♦ Manuel Sozzi, Sara Salamone, Giuseppe Mauri ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

TS11_03 ♦ Model-Based Code Generation vs Handwritten Firmware for STM32-based Motor Drives: Runtime Performance and Flexibility Trade-offs ♦ Nicolò Pinzan, Fausto Stella, Paolo Pescetto, Gianmario Pellegrino, Salvatore Musumeci ♦ *Politecnico di Torino, Italy*

TS11_04 ♦ Modelling and Performance Comparison of Grazing Light and Conventional Vault-Mounted Lighting Systems in Road Tunnels ♦ Giovanni Mercurio Casolino, Alessio Mazzarella, Pietro Varilone, Paola Verde ♦ *University of Cassino and Southern Lazio, Italy*; Susanna Brusi, Antonio Gallo ♦ *ANAS, Italy*; Pietro Palladino ♦ *Politecnico di Milano, Italy*

TS11_05 ♦ Road-Tunnel Electrical Infrastructure as a Strategic Asset for Highway EV Charging Networks: A Preliminary Feasibility Assessment ♦ Cristina Moscatiello, Luigi Martirano ♦ *Sapienza University of Rome, Italy*; Elisa Belloni ♦ *University of Perugia, Italy*

♦ **ROOM C** ♦**TS12 ♦ Power Quality & EMC***Chair:* Roberto Benato ♦ *University of Padova***TS12_01 ♦ Accessing the FDP Method for Protecting Fixed Service Links Under Time Varying Interference** ♦ Marcello Folli, Silvi Kodra, Manuel Faccioli, Valeria Petrini, Claudia Carciofi ♦ *Fondazione Ugo Bordonì, Italy***TS12_02 ♦ Grid-Impedance-Based Control of Bidirectional EV Chargers for Static Voltage Support** ♦ Marcel Esser, Robert Jahn, Alfio Spina ♦ *TU Dortmund University, Germany***TS12_03 ♦ Impact of common building materials on mmWave signals propagation at 33 GHz and 75 GHz** ♦ Massimo Celidonio, Fernando Consalvi ♦ *Fondazione Ugo Bordonì, Italy***TS12_04 ♦ In-Vehicle Exposure to Radiofrequency Signals from Mobile Base Stations: Measurements and Ray-Tracing Analysis in 5G NR Scenarios** ♦ Simona Valbonesi, Claudia Carciofi, Andrea Garzia, Marina Lotti, Paolo Grazioso ♦ *Fondazione Ugo Bordonì, Italy***TS12_05 ♦ Industrial Impact of a Blue Skies Research: Overhead Line Sequence Impedance Computations by the Multiconductor Cell Analysis (MCA)** ♦ Roberto Benato, Sebastian Dambone Sessa, Francesco Sanniti ♦ *University of Padova, Italy*; Giorgio Maria Giannuzzi, Andrea Giovacchini, Federico Martellini, Giorgio Orlando, Cosimo Pisani ♦ *Terna, Italy***16:15-16:30 ♦ Coffee Break****16:30-18:30 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS**♦ **ROOM A** ♦**TS13 ♦ HVDC, MVDC and LVDC Technologies and Systems ♦ Special Session***Chairs:* Angelo L'Abbate ♦ *Ricerca sul Sistema Energetico - RSE*,
Eleonora Riva Sanseverino ♦ *University of Palermo***TS13_01 ♦ Classification of European HVDC Systems Based on Converter Technology and AC Grid Integration: Implications for Frequency Regulation** ♦ Mohammad Qawaqneh, Gaetano Zizzo, Antony Vasile ♦ *University of Palermo, Italy*; Angelo L'Abbate, Lorenzo Carmine Vitulano ♦ *Ricerca sul Sistema Energetico - RSE, Italy***TS13_02 ♦ Adaptive control logics for future HVDC: Italian approach** ♦ Fabio Bassi, Giorgio Maria Giannuzzi, Roberto Gnudi, Federico Lanzellotto, Roberto Meloni, Giuseppe Masones ♦ *Terna Rete Italia, Italy***TS13_03 ♦ Design, Qualification Testing and First Installation of a HVDC Transition Joint, High Performance Thermoplastic Elastomer (HPTE) to Cross-Linked Polyethylene (XLPE)** ♦ Luca Biotto, Paolo Boffi, Davide Pietribiasi ♦ *Prysmian, Italy***TS13_04 ♦ Use of superconducting cables in DC electrical grid: perspectives of use, fluid dynamics analysis methods for refrigeration and grid behavior simulation** ♦ Antonio Morandi, Mattia Simonazzi, Massimo Fabbri ♦ *University of Bologna, Italy*; Emiliano Guerra, Giuliano Angeli, Marco Bocchi, Andrea Musso ♦ *Ricerca sul Sistema Energetico - RSE, Italy***TS13_05 ♦ Towards Future Hybrid AC/DC Control Rooms: Bridging Legacy SCADA Systems and Interoperable Service-Oriented Architectures** ♦ Huda Almughari, Tommaso Bragatto ♦ *Sapienza University of Rome, Italy*; Roberto Antonini ♦ *Artel, Italy*; Francesca Santori, Massimo Cresta, Prashanth Kumar Pedholla ♦ *ASM Terni, Italy***TS13_06 ♦ Role and Challenges of Ceramic-Filled Epoxy-Based Insulation in SF₆-Free Switchgear: Preliminary Experimental Insights and Perspectives for MVDC Applications** ♦ Narjis Zahra, Andrea Basso Peressut, Luca Andena, Giovanni Dotelli ♦ *Politecnico di Milano, Italy*; Roberto Penzo, Pierluigi Invernizzi, Natalino Vigorelli, Marco Riva ♦ *ABB, Italy***TS13_07 ♦ Current/OS - developing industrial standards for LVDC and MVDC systems** ♦ Antonello Antoniazzi, Paolo Catapane, Marco Riva ♦ *ABB, Italy***TS13_08 ♦ DC Data Centers - Challenges and solutions for DC power distribution in AI data center** ♦ Paolo Catapane, Antonello Antoniazzi, Marco Riva ♦ *ABB, Italy*♦ **ROOM B** ♦**TS14 ♦ Energy Markets & Regulation***Chair:* Domenico Villacci ♦ *University of Naples Federico II***TS14_01 ♦ Market Power in Sequential Electricity Markets: A Bilevel Simulation Approach** ♦ Maria Teresa Vespucci, Giovanni Micheli ♦ *University of Bergamo, Italy*; Gianluigi Migliavacca, Dario Siface ♦ *Ricerca sul Sistema Energetico - RSE, Italy***TS14_02 ♦ Postpaid Policy Enforcement in 5G Core Network** ♦ Promila Jangra, Priyatosh Mandal, Neha Kashyap, Anjali Bansal - *Centre for Development of Telematics, India***TS14_03 ♦ Recent Outcomes of the Italian Ancillary Service Market (2015-2024)** ♦ Silvia Canevese, Antonio Gatti ♦ *Ricerca sul Sistema Energetico - RSE, Italy*



TS14_04 ♦ A Dynamic Probabilistic Methodology for Replacement Reserve Sizing for the Italian Power System with High NPRES Penetration ♦ Silvia Canevese, Gaia Ceresa, Emanuele Ciapessoni, Diego Cirio, Antonio Gatti ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

TS14_05 ♦ Development and Application of a National Italian Power System Dataset for 2030 Scenario Analysis ♦ Lorenzo Carmine Vitulano, Francesca Curinga ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

♦ ROOM C ♦

TS15 ♦ Measurements & Sensors

Chair: Gianluca Pasini ♦ *University of Pisa*

TS05_01 ♦ A Simulation-Based Framework for the Assessment of Renewable Energy Communities and Their Impact on Energy Poverty ♦ Massimiliano Zanchiello ♦ *Orders of Engineers of Rome, Italy*; Simona Stoklin ♦ *Orders of Engineers of Latina, Italy*; John Forrester, Manuel Leiva Lopez ♦ *Cesviter Consulting, Italy*

TS15_02 ♦ Data-Driven Monitoring of Power Distribution Grids Using Lab-Sourced Data: Impacts of Pre-Processing and Performance on a Real Use-Case ♦ David Fellner, Florian Liszt, Michael Waldher, Jasper Westphalen, Hans Baumgartner, Andreas Dietmeier ♦ *University of Applied Sciences Technikum Vienna, Austria*

TS15_03 ♦ Adaptive Wide-Area Oscillation Monitoring Using a Flexible FFT-TK Framework ♦ Annalisa Liccardo ♦ *University of Naples Federico II, Italy*; Giorgio Maria Giannuzzi, Salvatore Tessitore, Marco Principe ♦ *Terna Rete Italia, Italy*

TS15_04 ♦ Quantifying the cooling demand in non-residential buildings: A non-intrusive load monitoring approach ♦ Marco Gabba, Matteo Zatti ♦ *LEAP, Italy*; Filippo Bovera ♦ *Politecnico di Milano, Italy*

TS15_05 ♦ Towards a PHIL-Validated Digital Twin of a PMU: Synchrophasor Estimation and Inertia Monitoring in Low-Inertia Grids with PLL Algorithms ♦ Fabrizio Centonze, Rossano Musca, Eleonora Riva Sanseverino, Giuseppe Sciumè ♦ *University of Palermo, Italy*

TS15_06 ♦ Stability-aimed Tuning of Measurement Filters in C-HIL System ♦ Samuele Sbuelz, Samuele Trevisiol, Federico-Monti Bragadin, Andrea Alessia Tavagnutti, Andrea Vicenzutti, Daniele Bosich, Giorgio Sulligoi ♦ *University of Trieste, Italy*

TS15_07 ♦ Phasor Simulation Effectiveness on Stability Studies of Power Systems with VSC-Interfaced Resources ♦ Stefano Barsali, Massimo Ceraolo, Giovanni Lutzemberger, Gianluca Pasini, Claudio Scarpelli ♦ *University of Pisa, Italy*; Elia Berti ♦ *Ricerca sul Sistema Energetico - RSE, Italy*

16:30-17:30 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Competenze professionali

Chair: Giuseppe Parise ♦ *Presidente Generale AEIT, AEIT2026 General Chair*

Con la partecipazione di:

Domenico Perrini - *Presidente Nazionale CNI*

Riccardo Lama - *Presidente Generale CEI*

Paola Verde - *Presidente GUSEE*

17:30-18:45 ♦ SALA DEL CHIOSTRO ♦

PANEL ♦ Energia Nuovi codici di rete europei

Chair: Susanna Mocci ♦ *Università di Cagliari*

Con la partecipazione di:

Alberto Cerretti - *Huawei, Convenor CENELEC TC8X WG03*

Fabrizio Callari - *E-Distribuzione Head of Network Commercial Operations*

Giorgio Giannuzzi - *Responsabile Funzione Ingegneria del Dispacciamento Terna*

Fabio Monachesi - *Siemens Global Product Manager*

Ercole de Luca - *Areti Head of Regulatory & European Affairs*

Fabrizio Pilo - *Presidente CT 316 CEI*

21:00 ♦ Cena del Convegno



THURSDAY, 10 SEPTEMBER

8:45-10:30 ♦ PARALLEL SPECIAL AND TECHNICAL SESSIONS

♦ ROOM A ♦

TS16 ♦ Energy Storage Systems

Chair: Vincenzo Trovato ♦ *University of Trento*

TS16_01 ♦ A Data-Driven Multi-Scenario Strategy for Optimal Operation of a Battery Storage System in Wholesale Energy Market ♦ Rouzbeh Shirvani, Alessandro Bosisio ♦ *University of Pavia, Italy*; Asja Alic, Vincenzo Trovato, Silvia Zordan ♦ *University of Trento, Italy*

TS16_02 ♦ A PV-Based Supercapacitor Test Bench Using a Bidirectional Interleaved DC/DC Converter ♦ Salvatore Musumeci, Luigi Solimene, Carlo Ragusa ♦ *Politecnico di Torino, Italy*; Mauro Zucca, Melika Hassanzadeh ♦ *Istituto Nazionale di Ricerca Metrologica (INRIM), Italy*

TS16_03 ♦ Battery and Hydro Storage Providing Active Inertia and Damping Power with Grid Forming Converters ♦ Giordano Costanzi ♦ *University of Trento, Italy and Fondazione Bruno Kessler, Italy*; Vincenzo Trovato ♦ *University of Trento, Italy*; Edoardo Gino Macchi, Saman Korjani ♦ *Fondazione Bruno Kessler, Italy*

TS16_04 ♦ Reshaping the dynamic load of AI Data Centers with Long Duration Energy Storage ♦ Antonio Zingales ♦ *SAET, Italy*

TS16_05 ♦ Stochastic Multi-Objective Nonlinear AC-OPF for Cost-Emission Trade-Off in Distribution Networks ♦ Ayesha, Gabriele Mosaico, Federico Silvestro ♦ *University of Genoa, Italy*

♦ ROOM B ♦

TS17 ♦ AI & Data Analytics

Chair: Alessandro Vizzarri ♦ *University of Rome Tor Vergata*

TS17_01 ♦ AI and Electric Mobility: An Emerging Competition for Grid Capacity ♦ Antony Vasile, Davide Astolfi, Marco Pasetti, Alessandra Flammini ♦ *University of Brescia, Italy*; Gaetano Zizzo, Eleonora Riva Sanseverino ♦ *University of Palermo, Italy*

TS17_02 ♦ Domain-Aware Transfer Learning with Fleet-Based Sensor-Health Gating for Wind Turbine Power Performance Monitoring ♦ Davide Astolfi, Antony Vasile, Marco Pasetti ♦ *University of Brescia, Italy*; Alfredo Vaccaro ♦ *University of Sannio, Italy*

TS17_03 ♦ Edge-Weighted Graph Neural Networks for Fraud Detection in Bitcoin Trust Networks ♦ Dhvani Rana, Drishti Bhardwaj ♦ *GGSIPIU University, India*

TS17_04 ♦ Gas Flow Estimation in Real Distribution Networks using Graph Machine Learning ♦ Francesca Soldan, Enea Bionda, Carlo Tornelli ♦ *Ricerca sul Sistema Energetico - RSE, Italy*; Alessandro Verosimile, Leonardo Gori, Andrea Damiani, Marco Domenico Santambrogio ♦ *Politecnico di Milano, Italy*

TS17_05 ♦ Learning-to-Optimize as the Missing Architectural Layer of AI-Native Networks ♦ Giambattista Amati, Federica Mangiatordi, Pierpaolo Salvo, Emiliano Pallotti, Simone Angelini ♦ *Fondazione Ugo Bordon, Italy*

TS17_06 ♦ Privacy-Preserving Representation Learning through Embedding-Space Anonymization ♦ Dimitrios P. Panagoulas, Evangelos Sakkopoulos ♦ *University of Piraeus, Greece*; Evangelia-Aikaterini Tschintzi ♦ *Noetiv, Greece*

♦ ROOM C ♦

TS18 ♦ Emerging Technologies

Chair: Cristina Moscattiello ♦ *Sapienza University of Rome*

TS18_01 ♦ Civil Engineering Measures for Power System Resilience: Restoration and Risk Mitigation Interventions Following the 2025 Flood Events ♦ Emanuela De Luca, Massimiliano Nebuloni, Pier Luigi Zanni, Andrea Cinelli, Simone Talomo, Chiara Vergine ♦ *Terna Rete Italia, Italy*

TS18_02 ♦ Electrical Infrastructure Planning and Operations for Mega-Events: The Milano Cortina 2026 Winter Olympic and Paralympic Games ♦ Vincenzo Di Luozzo, Luca Noli, Andrea Venturato ♦ *Fondazione Milano Cortina 2026, Italy*



TS18_03 ♦ **Power Transmission: Applying BIM Methodology to EPCI HV Infrastructure Projects** ♦ Martino Dalla Valle, Ilaria Porcarelli ♦ *Prysmian, Italy*

TS18_04 ♦ **Toward Experimental Validation of Holonic Power Systems: Requirements and Conception of a Hybrid Co-Simulation Framework** ♦ Alfio Spina, Christian Rehtanz ♦ *TU Dortmund University, Germany*; Andreas Ulbig, Antonello Monti ♦ *RWTH Aachen University, Germany*

TS18_05 ♦ **Synergistic Integration of Solar Generation, Green Hydrogen Production, and MgB2 Superconducting DC Transmission for Sustainable Desert Ecosystems** ♦ Pietro Corsaro ♦ *C&G Agency GmbH, Switzerland*

TS18_06 ♦ **Accelerated Replacement of User-Owned Distribution Transformers: The EU-TRACE Framework for Fleet Characterisation and Policy Design** ♦ Filippo Sterpi, Angelo Baggini, Franco Bua ♦ *Engineering Consulting and Design, Italy*

10:00-11:30 ♦ SALA DEL CHIOSTRO ♦

Forum AI + Questione etica legata al suo utilizzo

Chair: Giuseppe Parise ♦ *Presidente Generale AEIT, AEIT2026 General Chair*

Con la partecipazione di:

Paolo Benanti ♦ *LUISS*

Paola Velardi ♦ *Sapienza Università di Roma*

Roberto Sassi ♦ *Università degli Studi di Milano*

Renato Valentini ♦ *AEIT Sezione Piemonte - Valle d'Aosta*

11:30-12:15 ♦ SALA DEL CHIOSTRO ♦

6G: AI/ML per le reti intelligenti e resilienti di prossima generazione

Le reti 6G per le telecomunicazioni del futuro e il ruolo di AI. Quale connubio? ♦ Alessandro Vizzarri ♦ *Università di Roma Tor Vergata*

L'intelligenza artificiale come tecnologia abilitante le reti elettriche intelligenti, decarbonizzate e user-centriche

♦ Alfredo Vaccaro ♦ *Università del Sannio, Italy*

12:15-12:45 ♦ Aperitivo

12:45-13:00 ♦ SALA DEL CHIOSTRO ♦

AEIT2026 International Annual Conference-CHIUSURA



Con la partecipazione di **e-distribuzione**



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