

# AEIT **International** 2022 Annual Conference

114<sup>th</sup> edition Rome - Italy • 3/5 October 2022

## FINAL PROGRAMME



Organised by



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IES Italy Chapter



Power & Energy Society\*  
Italy Chapter - PES

Under the patronage of



Ordine degli Ingegneri  
della Provincia  
di Roma





## Monday, October 3, 2022

**11:00-11:15**

### *Sala del Chiostro*

#### **Welcome Statements**

Debora Stefani - AEIT General President, AEIT2022 General Chair  
Massimo Cerri - President of Ordine degli Ingegneri di Roma  
Giovanni De Baggis - President of Ordine dei Periti Industriali di Roma e Provincia  
Antonio D'Andrea - Dean of Faculty of Engineering, Sapienza University of Rome  
Maria Sabrina Sarto - Deputy Rector for Research, Sapienza University of Rome  
Massimo La Scala - AEIT2022 Technical Program General Chair, Italy

**11:15-11:45**

#### **Keynote Speech 1**

#### **Clean secure better energies for a complex future ahead**

Guido Bortoni - CESI Chairman

**11:45-13:30**

#### **Opening Plenary Session**

#### **The key-role of energy infrastructures amid the energy-climate transition affected by security challenges**

**Chair:** Guido Bortoni - CESI Chairman

#### **DSOs are embarking their role of system operators**

Vincenzo Ranieri - Chief Executive Officer e-distribuzione

#### **The role of research**

Alberto Geri - President Ricerca sul Sistema Energetico - RSE

#### **Future energy scenarios to address the Eu's plan for a green transition**

Francesco Del Pizzo - Head of Grid Development Strategies and Dispatching Terna

#### **The role of Snam in the gas emergency and the energy transition**

Massimo Derchi - Chief Industrial Asset Officer Snam

#### **Cable is the secret**

Marco Marelli - Projects System Engineering Vice President Prysmian Group

**13:30-14:30**

*Lunch Break*

**14:30-15:00**

### *Sala del Chiostro*

#### **AEIT Student Grants and Awards**

Antony Vasile - AEIT, Italy

#### **AEIT Young Member Group**

Luigi Calcara - AEIT, Italy

#### **Social AEIT for STEM**

Cristina Moscatiello - AEIT, Italy

**15:00-16:45**

#### **Parallel Special and Technical Sessions**

#### **Sala del Chiostro TS01 Resilience of Electrical Systems, Climate Changes and Energy Transition (Special Session)**

#### **Sala degli Affreschi TS02 Flexible Power Systems and DERs**

**16:45-17:00**

*Break*

**17:00-18:30**

#### **Parallel Special and Technical Sessions**

#### **Sala del Chiostro TS03 Energy Transition and Electricity Market**

#### **Sala degli Affreschi TS04 Smart Technologies**



## Tuesday, October 4, 2022

09:00-09:20

### *Sala del Chiostro*

#### **Keynote Speech 2**

#### **PNRR: a sustainable developmental strategy**

Maurizio Fauri - University of Trento, Italy

09:20-09:40

#### **Keynote Speech 3**

#### **Impact of geopolitics in the development and operation of electrical systems**

Massimo Rebolini - CIGRE, Italy

09:40-11:30

#### **Panel on Energy**

#### **New challenges for modern energy infrastructures**

**Chairs:** Massimo La Scala - AEIT2022 Technical Program General Chair

Massimo Pompili - AEIT2022 Local Committee Chair

#### **Network Resilience to withstand climate change**

Juan Ortiz Noval - Head of Network Development e-distribuzione

#### **Impact of heatwaves on the operation of MV distribution network**

Francesco Paolo Palazzotto - O&M Italy - Head of Network Operation e-distribuzione

#### **Overview of the status and distribution of RES connection requests and new criteria for the acceleration of RES integration in the Italian grid**

Enrico Maria Carlini - Director of Grid Planning and Interconnection Terna

#### **Climate changes and reliability of MV and LV electrical network: asset management program**

Alberto Bernhardt - Head of Network Operation Areti and Alessandro Palazzoli - Areti

#### **Enabling The Energy Transition by Cable Technologies and Solutions**

Luigi Colla - Head of MV and HV AC System Engineering Prysmian Group

#### **E-mobility in the decarbonization process: the role of smart tariffs for Vehicle Grid Integration**

Bruno Cova - Advisory Services & Studies Director CESI

#### **Beneficial effects of dispersed generation and self consumption in the energy transition**

Luigi Mazzocchi - Director, Generation Technologies and Materials Department - Ricerca sul Sistema Energetico-RSE

11:30-11:40

*Break*

11:40-13:00

#### **Parallel Special and Technical Sessions**

*Sala del Chiostro* **TS05 Transmission: Technologies and Systems**

*Sala degli Affreschi* **TS06 Evolution of power system and smart grid laboratories**

*(Special Session)*

13:00-14:00

*Lunch Break*

14:00-15:30

#### **Parallel Special and Technical Sessions**

*Sala del Chiostro* **TS07 Mission Innovation for clean energy transition: technology solutions and experimental demonstrators I**

*(Special Session)*

*Sala degli Affreschi* **TS08 Microgrids and Energy Communities (Special Session)**

15:30-15:45

*Break*



**15:45-17:15**

**Parallel Special and Technical Sessions**

**Sala del Chiostro TS09 Mission Innovation for clean energy transition: technology solutions and experimental demonstrators II (Special Session)**

**Sala degli Affreschi TS10 Electrical, Electronics, and Information Communication Technologies for E-Vehicles**

**17:15-18:30**

**Parallel Special and Technical Sessions**

**Sala del Chiostro TTS11 Smart Devices and Systems for Information and Communication Technologies**

**Sala degli Affreschi TS12 Power Electronics**

**Wednesday, October 5, 2022**

**09:00-09:45**

**Dedication of classroom 40 to prof. Francesco Iliceto**

**Sala del Chiostro**

**09:45-11:30**

**Case Histories**

**Chair:** Massimo Pompili - AEIT2022 Local Committee Chair

**First Application of Self-Heating Automation on e-distribuzione MV network**

Niccolò Corsi - Head of Network Operation Analysis e-distribuzione

**A novel method for the OHLs resilience evaluation: a subcomponent and span-based approach**

Francesco Marzullo - Head of Grid Resilience Planning and Development Plan Coordination Terna

**Reliability classification of MV network – The Unareti experience**

Gaetano Iannarelli - Project Manager Unareti

**Driving innovation for sustainable transmission systems**

Chiara Barcellini - R&D Metallurgy & Mechanical Submarine Prysmian Group

**Transition2Green: the contribution of Agrivoltaic**

Michela Demofonti - Head of External Communication in EF Solare Italia

**European and international collaboration as a means to foster energy transition: study cases and perspectives from the European Clean Energy Transition Partnership**

Michele de Nigris - Director Sustainable Development and energy sources - Ricerca sul Sistema Energetico-RSE

**Optimising microgrid generation & stabilisation on the road to net zero**

Lanfranco Pedrotti - Managing Director Piller

**11:30-11:45**

*Break*

**11:45-13:15**

**Parallel Special and Technical Sessions**

**Sala del Chiostro TS13 e-mobility & shipboard applications (Special Session)**

**Sala degli Affreschi TS14 Power System Analysis and Simulation**

**13:15-14:15**

*Lunch Break*

**14:15-14:30**

**Student Contest Award**

**14:30-15:15**

**START UP Plenary Session**

**15:15-16:45**

**Parallel Special and Technical Sessions**

**Sala del Chiostro TS15 Monitoring and Power Quality**

**Sala degli Affreschi TS16 Electrical Risk, Safety and Stability Improvement**

**16:45-18:15**

**Parallel Special and Technical Sessions**

**Sala del Chiostro TS17 Power System Operation and RES Integration**

**Sala degli Affreschi TS18 Energy Communities: a means for transition and a development opportunity for territories (Special Session)**

e-distribuzione



**Prysmian**  
Group



unareti

