

Rome - Italy ■ 5/7 October 2023

AEIT International 2023 Annual Conference

115th edition

PRELIMINARY PROGRAMME



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.

AEIT2023 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.

AEIT2023 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.

AEIT2023 is in its 115th edition: speakers and participants will be connected all over the world. The main features of the conference include Invited Talks, Regular Sessions, Special Sessions.

The conference will be held in presence (depending on the pandemic situation) and will also be virtual.

Organised by



Under the patronage of



Ordine degli Ingegneri
della Provincia
di Roma



PRELIMINARY PROGRAMME

Thursday, 5 October

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| 9:00 | Registration & Welcome Coffee |
| 10:00-10:15 | Sala del Chiostro Welcome Statements Giuseppe Parise - <i>AEIT General President, AEIT2023 General Chair</i> Massimo Cerri - <i>President of Ordine degli Ingegneri di Roma</i> Giovanni De Baggis - <i>President of Ordine dei Periti Industriali di Roma e Provincia</i> Carlo Massimo Casciola - <i>Dean of Faculty of Engineering, Sapienza University of Rome</i> Massimo Pompili - <i>AEIT2023 Local Committee Chair</i> Massimo La Scala - <i>AEIT2023 Technical Program General Chair</i> |
| 10:15-10:45 | Sala del Chiostro Keynote Speech I Nuove procedure di approvazione delle Opere Lineari del PNRR Massimo Sessa - <i>Presidente Consiglio Superiore lavori pubblici</i> |
| 10:45-11:45 | Sala del Chiostro Round Table Strategie per le sfide energetiche e provvedimenti per mitigare i cambiamenti climatici Chair: Maurizio Fauri - <i>AEIT</i> Senatore Andrea De Priamo – <i>Fratelli d'Italia</i> Senatore Michele Fina – <i>PD – IDP</i> Senatrice Aurora Floridia – <i>Alleanza Verdi e Sinistra</i> Senatore Manfredi Potenti – <i>Lega Salvini Premier – PS d'Az.</i> Senatore Antonio Salvatore Trevisi – <i>Movimento 5 Stelle</i> |
| 11:45-13:30 | Sala del Chiostro Panel REPowerEU e Transizione Energetica Chair: Guido Bortoni - <i>CESI Chairman</i> Vincenzo Ranieri - <i>CEO of e-distribuzione</i> Giulio Antonio Carone - <i>CEO of areti ACEA Group</i> Franco Cotana - <i>CEO of Ricerca sul Sistema Energetico-RSE</i> Maria Rosaria Guarniere - <i>Director of Realization of plants and technologies, Terna</i> Giuliana Garigali - <i>Director Engineering, Permitting & Construction Service, Snam</i> |
| 13:30-14:30 | <i>Lunch</i> |
| 14:30-15:00 | Sala del Chiostro AEIT Student Grants and Awards, AEIT Young Member Group, AEIT for STEM |
| 15:00-16:45 | Sala del Chiostro e Sala degli Affreschi Parallel Special and Technical Sessions |
| 15:00-16:45 | Aula Didattica Stato di avanzamento del progetto PNRR - RESTART |
| 16:45-17:00 | <i>Coffee Break</i> |
| 17:00-18:45 | Sala del Chiostro e Sala degli Affreschi Parallel Special and Technical Sessions |
| 17:00-18:45 | Aula Didattica Stato di avanzamento del progetto PNRR - RESTART |
| 20:30 | <i>Conference Dinner</i> |

Friday, 6 October

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| 9:00-11:00 | Sala del Chiostro e Sala degli Affreschi Parallel Special and Technical Sessions |
| 11:00-11:15 | Coffee Break |
| 11:15-13:00 | <p>Sala del Chiostro Panel on Energy The new energy infrastructures to fight the climate change Chair: Massimo La Scala - AEIT2023 Technical Program General Chair TBD Andrea Caregari, Head of Operation & Maintenance, e-distribuzione Terna's strategy to mitigate the effects of climate change on transmission grid Francesco Marzullo - Head of Integrated Grid Planning and Development Plans Coordination, Terna</p> <p>Floating Off-shore Wind Farms & Dynamic Cable Systems Marzia Mangoni -Dynamic Cable Systems Product Manager, Prysmian Group MgB2 superconductors innovation for energy transmission and storage Matteo Tropeano - Business Development Manager, ASG Superconductors Ruolo dell'Autorità Competente Marilena Barbaro – Direttore Generale Dipartimento Energia (DIE) del Ministero dell'Ambiente e della Sicurezza Energetica – MASE – Direzione Generale Infrastrutture e Sicurezza (IS) Ruolo fondamentale della Procedura di V.A.S. Bernardo Sera – Coordinatore Sottocommissione Valutazione Ambientale Strategica – VAS – MASE</p> |
| 13:00-14:00 | Lunch |
| 14:00-14:20 | <p>Sala del Chiostro Keynote Speech II Biomedical Photonics and Artificial Intelligence for Third Millennium Diagnostics Alberto Diaspro - IIT, University of Genoa and CNR, Italy</p> |
| 14:20-16:00 | <p>Sala del Chiostro Case Histories Chair: Luigi Calcara - Sapienza University of Rome TBD Franco Pierro - Head of Project Management & Construction, e-distribuzione Connection to the National Transmission Grid: the first step towards energy transition Alessandra Zagnoni - Head of Planning and Management of Connection Requests, Terna The Pilot Project RomeFlex and the local flexibility market Ercole De Luca – Head of Electrical System Development, areti ACEA Group Edge devices and remote management for the intelligent Unareti's secondary substations Alessandro Cirocco - Technological Development – A2A TBD Chiara Gandolfi - RSE Contributing to the Italian energy transition: EF Solare Italia's revamping and repowering activities Gian Luca Teodori - Head of Operations, EF Solare Italia Cable manufacturer role in 2023 sustainability goals Michele Fontana - HVDC System Engineer, Prysmian Group</p> |
| 16:00-16:15 | Coffee Break |
| 16:15-18:15 | Sala del Chiostro, Sala degli Affreschi, Aula Didattica Parallel Special and Technical Sessions |

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| 18:15-19:00 | <p>Sala del Chiostro SME and START UP Session Chair: Alberto Birga - AEIT Road to a new vision: disruptive approaches for retina degenerations Giovanni Manfredi - CEO, Novavido PRISM by Genoa Instruments: at the Nexus of Biomedical Photonics and AI Diagnostics with Super-Resolution Microscopy Simonluca Piazza - CEO, Co-Founder, Genoa Instruments</p> |
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| Saturday, 7 October | |
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| 9:00-11:00 | <p>Sala del Chiostro e Sala degli Affreschi Parallel Special and Technical Sessions</p> |
| 11:00-11:15 | Coffee Break |
| 11:15-13:00 | <p>Sala del Chiostro e Sala degli Affreschi Parallel Special and Technical Sessions</p> |
| 13:00-13:15 | <p>Sala del Chiostro Student Contest Ceremony</p> |
| 13:15-13:30 | <p>Sala del Chiostro Conference Closure</p> |