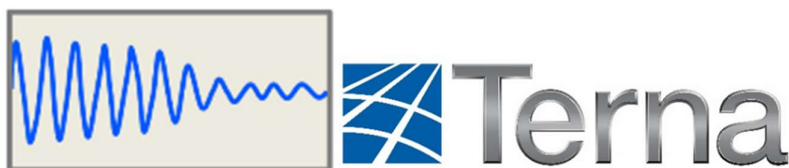


DAY 2 24/10 Technical program

08.00	Bus departure from Hotel Santa Costanza	
08.30 - 08.45	Walk-in	
08.45 - 09.00	Welcome note	
09.00 - 10.30	Power System Protection & HVDC	D. Penkov
Protection 1	Effective Integration of EMTP-ATP Simulations with Protection Devices through GOOSE	<i>A. Alarcon Becerra</i>
Protection 2	Fault location in power system with distance protection principles	<i>H. Høidalen</i>
Protection 3	Integral Performance Evaluation of a Line Differential Protection Function Under Current Transformer Saturation	<i>J. Londono Orspina</i>
HVDC 1	Transient Phenomena following pole-to-ground fault on MMC-HVDC system equipped with Half-bridge submodules and Hybrid DC breakers	<i>S. De Maria</i>
10.30 - 11.00	Coffee break	
11.00 - 12.30	Industry Application I	T. Hunger
Industry 1	Apparent overvoltages on a cable during abrupt earthing	<i>L. Colla</i>
Industry 2	Analysis and Evaluation of Surge-Transferred Overvoltages in Unloaded Earthing/Auxiliary Transformers Using ATP-EMTP	<i>K. Velitsikakis</i>
Industry 3	Application of EMTP-ATP for transient analysis and optimisation of High Voltage Instrument Transformer	<i>M. Dorlikar</i>
Industry 4	Using ATP-EMTP to Support High Voltage Laboratory Courses on the Generation of DC and Impulse Voltages	<i>Z. Datsios</i>
12.30 - 13.30	Lunch break	
13.30 - 15.00	Lightning Protection	K. Velitsikakis
Lightning 1	Lightning Protection for 25 kV Metro Railway Stations	<i>T. Pham</i>
Lightning 2	Impact of lightning peak current and tower grounding on overvoltages in a 138-kV transmission line	<i>B. Nogueira Giarola</i>
Lightning 3	A practical approach to deal with instabilities of the CIGRE type 15 source in ATP-EMTP	<i>E. Stracqualursi</i>
Lightning 4	An Investigation of Aspects Affecting Lightning Transient Simulations of a 150 kV Overhead Transmission Line Equipped with Line Surge Arresters	<i>Z. Datsios</i>
15.00 - 15.30	Coffee break	
15.30 - 17.00	Industry Application II	H. Høidalen
Industry 5	EMTP simulation for Generator Circuit-breakers sizing: Synchronous Compensator Case	<i>F. Constantino</i>
Industry 6	Simulation and measurement-based analysis of the coupling effects on double-circuit overhead lines and their impact on work safety	<i>Tareq Abuaisha</i>
Industry 7	Secondary Arc Study for a 500 kV Power Line at High Altitudes	<i>J. Videla</i>
Industry 8	Implementation of a TRV Circuit Breaker Model Using MODELS for ATP-EMTP: A Comprehensive Analysis	<i>J. Gallego</i>
17.30	Bus departure to Hotel Santa Costanza	
20.00	Bus departure from Hotel Santa Costanza	
20.30 - 22.30	Dinner at New Green Hill restaurant	
22.30	Bus departure to Hotel Santa Costanza	



DAY 3 25/10 Technical program and members meeting

08.00	Bus departure from Hotel Santa Costanza	
08.30 - 09.00	Walk-in	
09.00 - 10.30	Modelling	G. Lichtenberger
Modelling 1	Thermal Model of Underground Cables	A. Manunza
Modelling 2	Electrical machine modeling in ATPDraw 7.6	H. Høidalen
Modelling 3	Voltage-controlled statistical switching for circuit breaker	D. Venkatesh
Modelling 4	Software Converter of ATP Cases into ATPDraw™ Diagram Via XML Document	J. Rego Carvalho
10.30 - 11.00	Coffee break	
11.00 - 13.00	Industry Application III	F. Palone / F. di Bona
Industry 9	Developing a frequency-dependent TOV model for gapless metal-oxide arresters in EMTP/ATP	C. Engelbrecht
Industry 10	Single Phase Reclosing of a 400kV transmission circuit consisting of overhead line and underground cable sections	M. Lorentzou
Industry 11	A Novel Method for Detection of Power Transformer Internal Arcs Using Alternative Transient Program-Electromagnetic Transients Program	M. Salih Mamis
Industry 12	Power quality analysis of new industrial process applications with EMTP-ATP	T. Loor
Industry 13	Resonances & mitigation when undergrounding Overhead Lines in long length	M. Munir
13.00 - 14.00	Lunch break	
14.00 - 17.00	EEUG members meeting	

DAY 1 23/10 Course and technical visit

08.00	Bus departure from Hotel Santa Costanza
10.00	Arrival at Sapei Substation
10.15 - 11.30	Course - Part I. Introduction to AC/DC grids, converter types with ATP examples.
11.30 - 12.00	Coffee break
12.30 - 13.00	Course - Part II. Converter control, ATP examples AC/DC, comparison grid following/forming.
13.00 - 13.30	Monita HVDC project, TERNA. (presentation)
13.30 - 14.30	Lunch break
14.30 - 16.30	Sapei converter station visit
16.30	Bus departure to Hotel Santa Costanza