

GROUND2024 & 11th LPE: *Preliminary Program at a Glance* (Conference and Workshop: 2 pages)

Day	Schedule	Activity
Nov. 24 (Sunday)	14:00 – 17:00	Meeting of CIGRE Working Group SC. C4.69: <i>Quantifying the lightning response of tower-footing electrodes of overhead transmission lines: methods of measurement</i> (only for Members)
	16:00 - 18:00	Registrations
	20:30 - 22:30	Welcome Cocktail

Day	Schedule	Activity
Nov. 25 (Monday)	08:00 – 08:45	Registrations
	08:45 – 09:00	Opening Session
	09:00 – 09:50	Keynote Speech by Prof. Vladimir Rakov – Features of Lightning Leaders
	09:50 – 10:30	Lecture by Dr. Amitabh Nag – Lightning Attachment
	10:50 – 11:10	Presentations and debates: <i>Models of Lightning Attractiveness Models to Transmission Lines</i>
		Presentations by Dr. Thomas Tsovilis and by Prof. Silverio Visacro
	11:10 – 13:00	Debate: <i>Use of non-conventional devices (ESE) in LPS in Brazil</i>
		Presentations by representative of manufacturers/supporters and opponents
Presentations by contributors and discussions		
15:00 – 19:00	Entertaining activity – Tour and ...	

Day	Schedule	Activity
Nov. 26 (Tuesday)	09:30 - 12:00	Lightning Protection
		Presentations on Lightning Protection of systems, devices and structures
	13:30 – 15:30	Modeling for Transient Studies
		Presentations on modeling of components and computational tools for studying the lightning response
	16:00 - 18:00	Grounding and parameters of soil and other materials
Presentations on grounding (modeling, design and measurements) and on soil/concrete		
20:30 -22:30	Conference Dinner	

Day	Schedule	Activity
Nov. 27 (Wednesday)	08:30 – 10:00	Lightning Detection
		Lecture: Lightning Detection by Carlos Morales
		Presentations on Lightning Detection
	10:00 – 12:30	Lightning Incidence to Wind Farms
		Lecture: Lightning and Wind Farms by Wagner Costa
		Presentations on Grounding and lightning performance of wind turbines and other components
14:00 – 17:00	Grounding and Lightning Performance of Transmission Lines	
	Lecture: Flashover Methods by Prof. Pantelis Mikropoulos	
	Presentations on Grounding and Lightning Performance of Transmission Lines	

Dia 28 de Novembro (Quinta-feira)

Workshop:

Desempenho de Linhas de Transmissão frente a Descargas Atmosféricas

Evento	Apresentador	Horário
<i>Abertura do Workshop com apresentação da Programação</i>		08:00 - 08:10
<i>O Desempenho das LTs do Sistema Brasileiro na Perspectiva do ONS</i>	João H. M. Almeida	08:10 - 08:50
<i>Considerações Preliminares sobre o Desempenho de LTs frente a Descargas Atmosféricas: Conceitos, Parâmetros Relevante (N_g, I_p) e Desafios</i>	Silvério Visacro	09:00 - 10:10
<i>Intervalo: Coffee-break</i>		10:10 - 10:40
<i>Procedimento para Cálculo e Melhoria de Desempenho de LTs e Avanços Recentes, incluindo as Linhas de Corrente Contínua</i>	Fernando H. Silveira	10:40 - 12:00
<i>Deteção de Descargas e a Distribuição de Densidades no Caso Brasileiro</i>	Carlos Morales	12:00 - 13:00
<i>Intervalo para almoço</i>	--	13:00 - 14:20
<i>O Uso de Para-raios como Recurso de Desempenho de LTs frente a Descargas</i>	Jorge Franco	14:20 - 15:50
<i>Caso Estudo: Aplicação de Para-raios em LTs de CC 500 kV</i>		
<i>A Qualificação do Desempenho Esperado das Torres por meio da Medição da Impedância/ Resistência de Pé de Torre, incluindo Fundamentos da Resposta do Aterramento</i>	Silvério Visacro	15:50 - 17:10
<i>Análise de Alternativas para Melhoria de Desempenho de LTs</i>		