



**27th Annual CDEGS Users' Group Conference
Cannon Beach, Oregon, USA
June 20-23, 2017**

Last Updated June 15, 2017

Tuesday, June 20	
7:00 am - 8:30 am	Continental Breakfast
8:30 am - 9:00 am	Opening of Conference & Introduction of Attendees by The Chairman: Doug Gilroy
9:00 am - 9:30 am	Treasurer Report: Giancarlo Leone
9:30 am - 10:00 am	Approval of 2016 Conference meeting minutes, Constitution review
10:00 am - 10:30 am	Break
10:30 am - 12:00 pm	SES Review of Wish List
12:00 pm - 1:00 pm	Lunch
1:00 pm - 1:30 pm	Improvements in SES Software Simon Fortin, SES
1:30 pm - 3:15 pm	Introduction to New Modules CDEGS-SESResap-SESFcdist-SESCAD-SESResultsViewer SESTralin-SESFFT SES
3:15 pm - 3:30 pm	Break
3:30 pm - 4:30 pm	Vendor Presentation DC Decouplers and Overvoltage Protection Devices Mike Tachick Dairyland Electrical Industries, Inc.
4:30 pm - 5:00 pm	Q & A Open Discussion and Workshop Suggestions
5:00 pm - 6:15 pm	 Happy Hour
6:15 pm - 9:00 pm	 Volleyball

Wednesday, June 21	
7:00 am - 8:30 am	Continental Breakfast
8:30 am - 9:00 am	Practical Advice for Electrical Soil Resistivity Testing via the Wenner Method Swen Sorvala, Black & Veatch, Ann Arbor, Michigan
9:00 am - 9:30 am	Testing the Assumptions of Substation Grounding Studies Jesse Rorabaugh, Southern California Edison, Pomona, California
9:30 am - 10:00 am	Transferred Voltages on Drilling Equipment and Disconnected Electrode Leads in Energized Substations Jesse Rorabaugh, Southern California Edison, Pomona, California
10:00 am - 10:15 am	Break
10:15 am - 10:45 am	Grounding System Design Challenges for Small Distributing Stations in Urban Los Angeles Travis Betros, WorleyParsons, Jacksonville, Florida
10:45 am - 11:15 am	The Challenges of Designing Solar Park Earthing Systems in the United Kingdom Marc Jones, Edif ERA, Pontyclun, Wales
11:15 am - 11:45 am	Evaluation of Step Voltages on Horses at the Curragh Race Course Neil Cowap, AECOM, Dublin, Ireland
11:45 am - 1:00 pm	Lunch
1:00 pm - 1:30 pm	Currents Induced by Air-Core Reactors in a SVC Substation Yuhan Wu, Hydro-Québec, Montréal, Canada
1:30 pm - 2:00 pm	Where Does Fault Current Go? Swen Sorvala, Black & Veatch, Ann Arbor, Michigan
2:00 pm - 2:20 pm	Short-Circuit Computations Using Lumped Impedances in MultiGroundZ and MultiFields Software Packages Maxime Daigle, SES
2:20 pm - 2:40 pm	Short-Circuit Study in Networks with Multiple Transformers Outside the Central Site in the SPLITS Computation Module Luis Valcárcel, SES
2:40 pm - 3:00 pm	Comparison between Plates and Equivalent Wire Models in Grounding Applications Christian Voyer, SES
3:00 pm - 3:15 pm	Break
3:15 pm - 3:45 pm	The Electromagnetic Interference (EMI) Model for Electric Railways in CDEGS Yexu Li, SES
3:45 pm - 4:10 pm	Modeling and Mitigation Design Considerations for AC Interference Studies in Low Soil Resistivity Christian Voyer, SES
4:10 pm - 4:30 pm	Computation of Geomagnetically Induced Currents in Power Systems Using SES MultiFields Software Package Simon Fortin, SES
6:30 pm - 9:30 pm	SES Welcome Dinner

Thursday, June 22	
7:00 am - 8:30 am	Continental Breakfast
8:30 am - 9:00 am	Modeling of Voltages on a Transmission System Jesse Rorabaugh, Southern California Edison, Pomona, California
9:00 am - 9:20 am	Verification and Computation of Conductor Electrical Properties in the Context of Incomplete Datasheets Jie Liu, SES
9:20 am - 9:40 am	Finding Equivalent Conductors Representing a Typical Metallic Wire-Mesh Fence Jie Liu, SES
9:40 am - 10:00 am	Immersed: Short-Circuit Safety Criteria for Swimmers Nina Mitskevitch, SES
10:00 am - 10:15 am	Break
10:15 am - 10:35 am	Increasing Computation Speed in MALT and MALZ Using the Discrete Complex Image Method Maxime Daigle, SES
10:35 am - 10:55 am	Derivative Polarization Curve Fitting Farid Paul Dawalibi, SES
10:55 am - 11:15 am	Simulated Annealing Method Applied to the Soil Resistivity Analysis Inverse Problem Luis Valcárcel, SES
11:15 am - 11:35 am	Magnetic Field of Pipe-Type Cables with Consideration of Actual Positions of Sub-Cables Christian Voyer, SES
11:35 am - 11:55 pm	New Multilayer Hemi-spheroidal Soil Model Simon Fortin, SES
11:55 pm - 1:00 pm	Lunch
1:00 pm - 1:45 pm	Selection of Next Conference Location, Vacant Officer Elections
1:45 pm - 2:05 pm	Improvements in SESCAD Simon Fortin, SES
2:05 pm - 2:25 pm	New Features in SESLibrary Francis Gougeon, SES
2:25 pm - 2:55 pm	RowCAD and ROW Improvements Yexu Li, SES
2:55 pm - 3:10 pm	Break
3:10 pm - 3:30 pm	New Features and Improvements for Transformers in SPLITS Christian Voyer, SES
3:30 pm - 3:50 pm	Improvement to Finite Volume Subdivision Technique: Leakage Current Criterion Nina Mitskevitch, SES
3:50 pm - 4:10 pm	Improvements for Modeling Arbitrary Networks of Metallic Plates in HIFREQ Simon Fortin, SES
4:10 pm - 4:30 pm	Q & A Open Discussion
5:00 pm - 8:00 pm	 Volleyball

Friday, June 23	
7:00 am - 8:30 am	Continental Breakfast
8:30 am - 9:00 am	Q & A Open Discussion
9:00 am - 10:15 am	WORKSHOP
10:15 am - 10:30 am	Break
10:30 am - 11:30 am	WORKSHOP
11:30 am - 11:45 am	Conference Closing Speech by Dr. Farid Dawalibi
11:45 am - 12:00 pm	Conference Closing Speech by the Chairman
CLOSE 2017 Conference	