2023 JUNE 27-30

USERS GROUP CONFERENCE

Since 1991 CDEGS Users' Group

CDT

	Tuesday 06/27	Wednesday 06/28	Thursday 06/29	Friday 06/30
8:30 AM	Opening of conference & introduction of attendees - Meeting Instructions	Improvements in SES Software / Wishlist *Christian Voyer, SES*	Using Buried Ground Mesh as Distributed Grounding System for Mitigating AC Corrosion Concerns on Existing Pipelines - A Case Study *Boshra Momen Nejad, Corrpro Canada*	Cathodic Protection Interaction with AC Corrosion and AC Mitigation – A Possible Modeling Gap to Fill? *Dale Lindemuth, Corrpro*
9:00 AM	Treasurer Report		Improvements in RowCAD *Luis Valcárcel, SES*	Workshop/Wishlist
9:20 AM			Advances in SES's Circuit Solvers: SESTLC, SESCircuitSimulator and SES-GCS *Amir Akbari, SES*	
9:30 AM	Approval of minutes, etc.	Current Recovery with Finite Volumes Unused Energizations, EMF and Work Potential Energizations in MALZ *Christian Voyer, SES*		
9:40 AM		Acceleration in MALZ and HIFREQ *Stéphane Franiatte, SES*	Corrosion Caused by Currents Discharged in HVDC Electrodes on Nearby Pipelines - Practical Considerations and Analysis *Yexu Li, SES*	
10:00 AM	Break			
10:30 AM	Achieving Cost Effective Substation Grounding Design by Increasing Accuracy in Fault Current Distribution Computations using CDEGS Program *Aslam Khan, Hydro One*	Advancements in SESCad-WPF *Frédéric Grégoire, SES*	Finite volumes in the Multi-Region soil in MALZ *Maxime Daigle, SES*	Workshop/Wishlist
10:50 AM		Modeling General Three-Phase Voltage Sources using Power Transformers in MultiFields *Adrian Ngoly, SES*	Enhancements to the Multi-Region soil model with Boundaries in MALZ *Maxime Daigle, SES*	
11:00 AM	Grounding of helical piles, a real world comparison between different grounding methods *Ryan Floyd, Pacificorp*			
11:10 AM		SESLibrary New Databases and Features *Stéphane Franiatte, SES*	Improvements in SESTrainSimulator *Maxime Daigle, SES*	
11:20 AM		Improvements in SESPlotViewer *Luis Valcárcel, SES*		
11:30 AM	Getting There: Three-Phase Equivalent Source from Short-Circuit Study Data Deducing Equivalent Wye-Wye-Delta Transformer Model from Short-Circuit Study Data *Robert Southey, SES*	The Impacts of HVAC Lines on Rail Systems *Josh Brown, Power Engineers*	Selection of next year's conference location and Election of Officers	
12:00 PM	Lunch			
1:30 PM	Discussion of IEEE 80-2013 Grounding Design Process and Proposed Modifications *Nur Umar, SR3 Engineering*	300 Miles: An AC Interference Analysis Case Study *Andrea Helmig, SR3 Engineering*	Modeling Finite Volumes in Multifields *Mohsen Nazari, SES*	
1:50 PM			Initial Results on the Vertical Soil Model in HIFREQ *Stéphane Franiatte, SES*	
2:00 PM				
2:20 PM	IEEE Updates: 80, 81, 998, 2778, 2760 *Giancarlo Leone, SR3 Engineering* *Josh Brown, Power Engineers* *Grant Gershmel, HDR Engineering*	Challenges of Constructing a 345 KV Transmission Line in a Corridor with Multiple Pipelines *Kurt Bell, Power Engineers*	Improvements in SESTransient Adaptive Subdivision in SESTransient *Stéphane Franiatte, SES*	
2:30 PM		How SES Software Can Help Industry Deal with PHMSA Mega Rule 2 *Perry Ross, EN Engineering (ENTRUST Solutions Group)*	Applying macro-based tools for making detailed SESShield3D models from Client CAD Drawings *Tony Auditoré, Voltoni*	
2:50 PM				
3:00 PM	Break			
3:30 PM	Jettysoned Earth Potential Rise - A Manapōuri Shock Investigation *Johan Erasmus & Philip Boys, Mitton Electronet Ltd*	Scientific Anomalies? Exploring Counterintuitive Behaviors in Grounding Systems and Power Networks *Luis Valcárcel, SES*	Workshop/Wishlist	
3:50 PM		Workshop/Wishlist		
4:00 PM	Helicopters Flying Near HV Lines Earthing Safety – A Case Study *Philip Boys, Mitton Electronet Ltd*			
4:30 PM	Welcome Cocktails	Welcome Dinner Hilton Gulfview Ballroom IV 6:30 pm - 8:30 pm		

Virtual Presentation

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