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‑­M Abeer Sohail­ (­mabeer.sohail21@gmail.com­)­ - 11:43 AM­

Q: ­Will we receive a certificate of attending the workshop?­

Priority: ­N/A­‑

‑­Roger Dugan (internal)­­­­ - 11:55 AM­

A: ­You can get one for PDH. Send e-mail to Arin.­‑

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‑­Arslan Ahmad­ (­arslan@iastate.edu­)­ - 11:47 AM­

Q: ­Hi! How can I access the recordings for the yesterday's session?­

Priority: ­N/A­‑

‑­Arin Nichols (internal)­­­­ - 11:59 AM­

A: ­Pleasse note that the recordings are not yet available but should be up late next week. You will find the video recordings at this link: https://www.epri.com/pages/sa/opendss­‑

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‑­Ali­ (­aarzani@tntech.edu­)­ - 11:57 AM­

Q: ­Hi Arin, can I have your email for PDH?­

Priority: ­N/A­‑

‑­Arin Nichols (internal)­­­­ - 11:58 AM­

A: ­anichols@epri.com­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 11:59 AM­

Q: ­This converter is applied to BDGD in brazil?­

Priority: ­N/A­‑

‑­Celso Rocha (internal)­­­­ - 12:03 PM­

A: ­No, and we don't have plans for that in the near future, but if the need arises, we can integrate a BDGD reader into MCT­‑

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‑­Graves, Michael­ (­MichaelGraves@alliantenergy.com­)­ - 11:58 AM­

Q: ­Does CIM work on Synergi models to convert to OpenDSS? ­

Priority: ­N/A­‑

‑­Celso Rocha (internal)­­­­ - 11:59 AM­

A: ­Unfortunately Synergi doesn't include an import/export function to CIM.­‑

‑­Celso Rocha (internal)­­­­ - 12:00 PM­

A: ­Cyme does. However, that requires you to purchase a separate module for having that functionality available.­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 12:09 PM­

Q: ­Could we import the FLISR algorithm to Python or Matlab?­

Priority: ­N/A­‑

‑­Miguel Eduardo Hernandez Figueredo (internal)­­­­ - 12:37 PM­

A: ­In our example from the OPS Lab, the FLISR algorithm was directly implemented instead of imported. This development was done with Python to control the OpenDSS simulation following our customized FLISR logic.­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 12:10 PM­

Q: ­Celso, that would be great! The big problem of OSD in Brazil is in the conversion.­

Priority: ­N/A­‑

‑­Celso Rocha (internal)­­­­ - 12:10 PM­

A: ­Yeah, I have seen some weird errors in OpenDSS models generated from BDGD before.­‑

‑­Paulo Radatz (internal)­­­­ - 12:11 PM­

A: ­I had a meeting with ANEEL, and they mentioned it. I will reach out to them and see what they thing about it.­‑

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‑­AZIZ UN NUR IBN SAIF­ (­aziz.ibnsaif@ucc.ie­)­ - 12:10 PM­

Q: ­Is there any clue to convert model in IPSA/PSSE to OpenDSS?? It will be advantageous to have any kind of clue as guide. Sorry for being straight forward.­

Priority: ­N/A­‑

‑­Andres Ovalle­­­­ - 12:14 PM­

A: ­There is a PSSE to DSS builtin converter in our GIC-related harmonics analysis tool - GICharm. GICharm is a publicly available tool (not open source) that you can download from EPRI.com.­‑

‑­Andres Ovalle­­­­ - 12:15 PM­

A: ­The input files for the converter are PSSE’s RAW files.­‑

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‑­AZIZ UN NUR IBN SAIF­ (­aziz.ibnsaif@ucc.ie­)­ - 12:15 PM­

Q: ­Thanks Andres. Is there anything for IPSA in similar way?­

Priority: ­N/A­‑

‑­Andres Ovalle­­­­ - 12:16 PM­

A: ­You’re welcome! Not that I’m aware.­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 12:16 PM­

Q: ­Very good Paulo! OpenDSS would be much more publicized around here.­

Priority: ­N/A­‑

‑­Paulo Radatz (internal)­­­­ - 12:16 PM­

A: ­There is one efford going one in Brazil, some people are developing a tool that takes the BDGD and creates the OpenDSS model. It seems it would be done in a few months. ­‑

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‑­Luis Guillen Montenegro­ (­legm@iastate.edu­)­ - 12:19 PM­

Q: ­thank you. Miguel, what software you used for cosimulation in order to manage the sampling times and synchronize the solutions of the systems? ­

Priority: ­N/A­‑

‑­Miguel Eduardo Hernandez Figueredo (internal)­­­­ - 12:26 PM­

A: ­We use a co-simulation engine developed inside of OpenDSS-G in combination with Python scripts to control the interaction between simulation agents. For communication and syncrhonism we use an internally developed protocol called DBus. This protocol is not currently available to the public, but we can explore collaboration opportunities. Please reach me at mhernandez@epri.com if you are interested.­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 12:24 PM­

Q: ­How to bring data from PSSE to DSS? ­

Priority: ­N/A­‑

‑­Andres Ovalle­­­­ - 12:28 PM­

A: ­Hi Laura. You can use the built in converter from PSSE to DSS that comes with our GICharm tool - publicly available from EPRI.com. The DSS model you obtain from this converter might be suitable for certain applications but not for all.­‑

‑­Andres Ovalle­­­­ - 12:28 PM­

A: ­.. but I encourage you to give a try.­‑

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‑­Karen Montano-Martinez (internal)­ (­kmontano-martinez@epri.com­)­ - 12:26 PM­

Q: ­3 - What solver are you using to solve the optimization? ­

Priority: ­N/A­‑

‑­Paulo Radatz (internal)­­­­ - 12:31 PM­

A: ­Optimization modelled with Pyomo:

Ipopt solver for problems without integer/binary variables

Bonmin solver for problems with integer/binary variables

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‑­M Abeer Sohail­ (­mabeer.sohail21@gmail.com­)­ - 12:30 PM­

Q: ­What is Arin's email address?­

Priority: ­N/A­‑

‑­Arin Nichols (internal)­­­­ - 12:31 PM­

A: ­Arin Nichols anichols@epri.com­‑

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‑­Mike Montgomery­ (­Michael.Montgomery@QualusMail.com­)­ - 12:32 PM­

Q: ­Will the quest speaker's presentation be available for download?­

Priority: ­N/A­‑

‑­Paulo Radatz (internal)­­­­ - 12:33 PM­

A: ­We will share everything :)­‑

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‑­Moiz­ (­siddiqi@metsci.com­)­ - 12:50 PM­

Q: ­WIll the professors material he uses for his courses be posted?­

Priority: ­N/A­‑

‑­Bob Kerestes­­­­ - 12:51 PM­

A: ­I will have my GitHub page with all of my materials completed very shortly. I will share this with Paulo and see if he can distribute the link to the attendees. ­‑

‑­Paulo Radatz (internal)­­­­ - 1:07 PM­

A: ­Sure, I will share with you all. ­‑

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‑­Moiz­ (­siddiqi@metsci.com­)­ - 12:52 PM­

Q: ­That would be great, very excited to have access to that, thank you!­

Priority: ­N/A­‑

‑­Paulo Radatz (internal)­­­­ - 1:09 PM­

A: ­No problem!­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 1:00 PM­

Q: ­Could you please provied me info about where I can find the FLISR algorithm? ­

Priority: ­N/A­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 1:04 PM­

Q: ­What real-time simulator did you use for your implementation?­

Priority: ­N/A­‑

‑­Raju Wagle­­­­ - 1:06 PM­

A: ­I guess this question is for me... We used Typhoon HIL 604 as a real-time simulator­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 1:07 PM­

Q: ­Thanks­

Priority: ­N/A­‑

‑­Raju Wagle­­­­ - 1:09 PM­

A: ­welcome.. glad that you find interesting­‑

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‑­Laura Arce Polanco­ (­laura.polanco@pnnl.gov­)­ - 1:13 PM­

Q: ­What kind of PV inverters did you implemented? ­

Priority: ­N/A­‑

‑­Raju Wagle­­­­ - 1:15 PM­

A: ­Grid forming converter ­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 1:21 PM­

Q: ­Sushrut, are reports available in python?­

Priority: ­N/A­‑

‑­Sushrut Thakar­­­­ - 1:23 PM­

A: ­Hi Bruno, yes, we use python interface of OpenDSS to generate the reports. The reports are usually exported in csv format so that they are easily read by other modules. One example report includes all the buses with the voltages as well as an indication whether they have voltage violations, another includes the sections with through power and metrics related to direction of power and loading.­‑

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‑­Luis Guillen Montenegro­ (­legm@iastate.edu­)­ - 1:25 PM­

Q: ­thank you all, great presentations­

Priority: ­N/A­‑

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‑­abdullah134­ (­abdullah.muet@gmail.com­)­ - 1:26 PM­

Q: ­Sir any video tutorial link about hosting capacity analysis?­

Priority: ­N/A­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 1:27 PM­

Q: ­Sushrut, are maps also made in python?­

Priority: ­N/A­‑

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‑­abdullah134­ (­abdullah.muet@gmail.com­)­ - 1:26 PM­

Q: ­Or a document in english­

Priority: ­N/A­‑

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‑­Bruno Carmelito­ (­brunocarmelito@hotmail.com­)­ - 1:28 PM­

Q: ­Congratulations to all for the training­

Priority: ­N/A­‑