Agenda

**OpenDSS Version 8 Workshop**

North Carolina State University  
Witherspoon Student Center, Room 201   
2810 Cates Ave, Raleigh, NC 27606  
**October 25-26, 2018**

This Workshop is an introduction to Version 8 of OpenDSS and OpenDSS-G, which were released in Spring 2018. The goal is not only to introduce students and other users to OpenDSS but to encourage users to make use of the advanced features for parallel processing and the new graphical interface. Participants in the Workshop should bring their own laptop computers (with Windows) with the software installed in order to participate in class excercises.

Main OpenDSS Website: <https://www.epri.com/#/pages/sa/opendss?lang=en>

OpenDSS Installer Download Page: <https://sourceforge.net/projects/electricdss/>

OpenDSS-G Installer Download Page: <https://sourceforge.net/projects/dssimpc/>

**Day 1**

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| **Time (Nominal)** | **Description** |
| 11:00– 11:30 | Registration and Introductions |
| 11:30– 12:15 | Intro to OpenDSS  Distribution Systems  Circuit Models in OpenDSS |
| 12:15 – 1:00 | Lunch |
| 1:00 – 1:45 | Scripting Basics  Simple Scripting  Scripting for Large Circuit Models |
| 1:45 –2:00 | Break |
| 2:00 – 3:00 | Intro to OpenDSS-G  Installing  Usage Examples |
| 3:00 – 3:15 | Break |
| 3:15 – 4:45 | APIs  COM Interface Basics  Direct DLL  Examples |
| 4:45 – 5:00 | Day 1 Wrap-up |

**Day 2**

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| **Time** | **Description** |
| 9:00 - 9:30 | Day 1 Review |
| 9:30 – 10:45 | Intro to OpenDSS Parallel Machine  Actors and CPUs  Scripting for Parallel Processing |
| 10:45 – 11:00 | Break |
| 11:00 – 12:00 | Temporal Parallelization  Intro to A-Diakoptics |
| 12:00 – 1:00 | Lunch |
| 1:00 – 2:00 | PVSystem + InvControl  Storage + Storagecontroller |
| 2:00 – 2:45 | Advanced Topics  OpenDSS-G,  Diakoptics,  Custom Models |
| 2:45 - 3:00 | Break |
| 3:00 – 4:00 | Presentations by NCSU |
| 4:00 – 4:30 | Wrap-up |