Agenda

**OpenDSS Version 8 Workshop**

Research 1 Bldg, Room 101/101A,   
University of Central Florida  
4353 Scorpius St., Orlando, FL 32816-0120  
**July 26-27, 2018**

This Workshop is an introduction to Version 8 of OpenDSS and OpenDSS-G, which were released in Spring 2018. The goal is to encourage users to make use of the new features for parallel processing and the new graphical interface. Participants in the Workshop should bring their own laptop computers 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** | **Description** |
| 8:00– 8:30 | Introductions |
| 8:30– 10:00 | OpenDSS Intro  Distribution Systems  Circuit Models in OpenDSS  Scripting Basics  Simple Scripting  Scripting for Large Circuit Models |
| 10:00 – 10:15 | Break |
| 10:15 – 12:00 | Intro to OpenDSS Parallel Machine  Actors and CPUs  Scripting for Parallel Processing  Temporal Parallelization  Intro to A-Diakoptics |
| 12:00 – 1:00p | Lunch |
| 1:00 – 2:30 | APIs  COM Interface Basics  Direct DLL  Examples |
| 2:30 – 2:45 | Break |
| 2:45 – 4:30 | Intro to OpenDSS-G  Installing  Usage Examples |
| 4:30 – 5:00 | Q&A  Examples |

**Day 2**

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| **Time** | **Description** |
| 8:00– 8:30 | Day 1 Review |
| 8:30 – 10:00 | Special Models and Custom Scripting  PVSystem  Storage  Writing DLLs for OpenDSS |
| 10:00 - 10:15 | Break |
| 10:15 – 12:00 | UCF Presentations   1. Multi-agent OpenDSS Implementation 2. Grid Edge Controls and Optimization |
| 12:00 – 1:00 | Lunch |
| 1:00 … | Q&A and Discussion of Parallel Processing and OpenDSS-G  Extemporaneous Examples |