

AGENDA
Siemens Energy, Inc.
Siemens Power Technologies International
Software Technology User Group Meetings
Disney's Coronado Springs Resort
Orlando, Florida
May 4 - 8, 2009

Monday, May 4, 2009 – PSS®MUST

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| 8:30 am | PSS®MUST Registration and pastry/coffee |
| 9:00 am | PSS®MUST User Group Meeting opens |
| Introductions | Meet Siemens PTI staff and PSS®MUST Team |
| User Support | What's Happening in User Support |
| We Listened! | PSS®MUST Working Group Status |
| Current Release | A review of the features introduced in PSS®MUST 9
Engineering perspective on Current Release |
| Future Releases | A look at what's coming in PSS®MUST 10
Engineering perspective on future releases |
| Common Topics | Automation, Report Comparisons, and others! |
| User Forum | Let's hear your suggestions and questions concerning PSS®MUST and future releases. Your ideas and thoughts help us to set our development priorities. |
| 12:00 – 1:00pm | Break for Lunch |
| 1:00 pm Workshop | Join the PSS®MUST Development/Engineering team at a PSS®MUST workshop discussing or demonstrating PSS®MUST features. Bring your own laptop or use one that we provide for Hands-On Demonstrations. |
| 3:00 pm | Adjourn |

Monday Evening Activities

3:30 pm – 6:00 pm Welcome Reception

Join Siemens PTI staff at an informal reception for Hands-On Demonstrations and discussions of the latest Siemens PTI transmission software complimenting PSS®E. PSS® Software demonstrations will include PSS®E, PSS®MUST, MOD®, PSS®ODMS, PSS®DB, Small Signal Stability (NEVA) and Graphic Control Model Builder (GMB).

Tuesday, May 5, 2009 – PSS®E

8:30 am	PSS®E Registration and pastry/coffee
9:00 am	PSS®E User Group Meeting opens
Introductions	Meet Siemens PTI staff and PSS®E Team
User Support	What's Happening in User Support
We Listened!	PSS®E Working Group Status
Current Release	A review of the features introduced in PSS®E 32 Engineering perspective on Current Release
12:00 – 1:00 pm	Break for Lunch
1:00 Future Releases	A look at what's coming in PSS®E 33 Engineering perspective on future releases
Common Topics	Version migration, NERC TPL compliance, Transformer Modeling and others!
User Forum	Let's hear your suggestions and questions concerning PSS®E and future releases. Your ideas and thoughts help us to set our development priorities.
5:30 pm	Adjourn

Wednesday, May 6, 2009 – MOD®

8:30 am	MOD® Registration and pastry/coffee
9:00 am	MOD® User Group Meeting opens
Introductions	Meet Siemens PTI staff and MOD® Team
User Support	What's Happening in User Support
We're Listening!	MOD® Working Group formation
Current Release	A review of the features introduced in MOD®6 Engineering perspective on Current Release
Future releases	A look at what's coming in MOD®7 Engineering perspective on future releases
Common Topics	Migration to PSS®E 31 and PSS®E 32, Project Phase Dependency, Project Creation with the new MOD® File Builder, and others!
User Forum	Let's hear your suggestions and questions concerning MOD®. Your ideas and thoughts help us to set our development priorities.
12:00 – 1:00 pm	Break for Lunch
1:00 pm Workshop	Join the MOD® Development/Engineering team at a MOD® workshop discussing or demonstrating MOD® features. Bring your own laptop or use one that we provide for Hands-On Demonstrations.
3:00 pm	Adjourn

Wednesday, May 6 – May 8, 2009
Class Times 9 am to 4 pm each day

PSS®E – What's New in Version 31, Overview and Refresher – This special User Group Meeting (UGM) course will provide experienced PSS®E users with instructions on new features and the use of the latest version of PSS®E. This course will also refresh user's skills in steady state power flow, short circuit and dynamic simulation studies. Prior attendance in either PSSC 500 - Introduction to Power Flow and Steady State Analysis or PSSC 550 - Introduction to Dynamic Simulation is recommended. Knowledge of the basic functions of PSS®E power flow, short circuit analysis, and dynamic simulation functions is required. Students must bring their company laptop with the latest version of the software installed. (1.8 CEU)

Additional information can be found in the Educational area of our website at [click here](#). Tuition is \$2,365. Space is limited, early registration is required to ensure your participation.

Wednesday, May 6 – May 8, 2009
Class Times 9 am to 4 pm each day

PSS®E - Model Writing – Advanced training course for PSS®E users who need to write their own PSS®E dynamic models or customize existing models. Includes a description of the PSS®E simulation program structure, indexing, variables, and arrays. Course covers structuring user models, equations for typical model blocks using the FORTRAN and FLECS program languages, and advanced uses of CONEC and CONET. Students will write sample PSS®E dynamic simulation models. Students must bring their company laptop with the latest version of the software installed. (1.8 CEU)

Additional information can be found in the Educational area of our website at [click here](#). Tuition is \$2,365. Space is limited, early registration is required to ensure your participation.

Wednesday, May 6
Class Time 9 am to 5 pm

PSS®MUST – What's New in MUST - 1 Day Overview and Refresher – This special User Group Meeting (UGM) course will provide experienced PSS®MUST users with instructions on the new features and use of the latest version of PSS®E MUST. This course will also refresh user's skill using this software for automation of transfer limit analysis, ATC calculations, contingency analysis detailed reporting, using the transaction scheduler for generation queue impact analysis, sensitivity analysis for the most limiting constraints and interfaces, generation dispatch sensitivity analysis on transfer limits. The course is structured to include lecture with demonstration. Topics include overview of the new report comparator, use of exposed load flow solutions options and review of MUST automation blocks, MAB. Students must bring their company laptop with the latest version PSS®MUST software installed (0.6 CEU)

Additional information can be found in the Educational area of our website at [click here](#). Tuition is \$790. Space is limited, early registration is required to ensure your participation.

Wednesday, May 6
Class Time 9 am to 5 pm

PSS®E Graphical Model Builder (Control Systems Theory and Application to PSS®E) –The Graphical Model Builder (GMB) for the products of the PSS® family (PSS®E, PSS®SINCAL and/or PSS®NETOMAC) is a powerful and easy to use dynamics model development tool based on graphic representation of control block diagrams. Accurate power system planning and design requires that precise models be used in the simulation software. The GMB allows specialized modeling by supporting both standard and non-standard dynamic models. During this course the basic knowledge of the basic courses of the PSS® products will be deepened and the trainee learns the modeling using a Block-Oriented Simulation Language (BOSL) and the MS VISIO based Graphical Model Builder (GMB). Training contains lecture with practical examples. Students must bring their company laptop with the latest version PSS®E software installed. (0.6 CEU)

Prerequisite: Basics of electrical (power) engineering and control engineering. It is recommended to have attended one of the Basic Courses for PSS®NETOMAC, PSS®SINCAL and/or PSS®E.

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Thursday, May 7

Class Time 9 am to 5 pm

PSS[®]E Theory, Use and Interpretation of Small Signal Stability Analyses (NEVA) – PSS[®]E Theory, Use and Interpretation of Small Signal Stability Analysis (NEVA) is a small signal stability tool that has generally been left for advanced systems analysis used by control system experts. However, this analysis is becoming more and more necessary as systems are pushed to their limits. Past experience in blackout analysis and prevention have shown that small signal stability analysis could be used to better understand the network in many cases. The objective of this course is to provide an understanding of small signal analysis and to demonstrate, using real examples, how small signal stability is an important tool for use in network planning. Students must bring their company laptop with the latest version PSS[®]E software installed. (0.6CEU)

Prerequisite: Basics of electrical (power) engineering and control engineering. It is recommended to have attended one of the Basic Courses for PSS[®]NETOMAC, PSS[®]SINCAL and/or PSS[®]E.

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Friday, May 8

Class Time 8:30 am to 4:30 pm

PSS[®]SINCAL Protection and Harmonic Overview for PSS[®]E – This special User Group Meeting (UGM) course will provide experienced PSS[®]E users with the use of the software for time over current protection as well as applications with distance protection will be demonstrated and verified by hands-on examples. The participants will acquire basic knowledge about the theory of Harmonics and Protection coordination. They will learn how to use the harmonics analysis and protective relaying modules of the network planning tool PSS[®]SINCAL. This will cover the relay setting calculation and the simulation of the behavior of the protection equipment during faults. Harmonic simulation will have the focus on the handling of special equipment and frequency dependencies including the use of resonance networks. Students must bring their company laptop with the latest version PSS[®]E software installed. (0.6 CEU)

Prerequisite: Basics of electrical (power) engineering and control engineering. It is recommended to have attended one of the Basic Courses for PSS[®]NETOMAC, PSS[®]SINCAL and/or PSS[®]E.

Additional information can be found in the Educational area of our website at [click here](#). Tuition is \$790. Space is limited, early registration is required to ensure your participation.