


Course: PSS®E / Power flow, steady state and dynamic analysis

Language	Modules ⁽¹⁾	Duration	Training date	Registration deadline	Cost/person (VAT not incl.)
	Basic	3 days	May, 20 th -22 nd	Until May, 3 rd	1.650,00€
	Advanced	2 days	May, 23 rd -24 th		1.200,00€
	Basic + advanced	5 days	May, 20 th -24 th		2.500,00€

(1) See section 'Course schedule'

Course outline

This PSS®E 5-day hands-on course is the best course for both new and existing PSS®E users, as it will help them navigate the interface and gain hands-on experience.

During the first 3 days, introductory concepts will be addressed, while the last 2 days will be more oriented to advanced concepts. Each attendee can decide if attend the basic module, advanced or both (basic + advanced).

Who should attend

The 3-day basic module is ideal for new users who wish to become familiar with the performance of power flow analysis with PSS®E.

For users with previous experience in the use of PSS®E, it is recommended to attend the 2-day advanced module.

Course objectives

Learn to interpret power flow results (convergence, divergence, non-convergence), understand the causes and sequences of voltage collapse events and apply data checking functions in PSS®E to identify power flow modeling problems. This course provides the basic knowledge of the PSS®E software to help new users navigate the interface and gain practical experience, including load flow, short circuits, faults and contingency analysis. It also addresses more advanced aspects such as performing dynamic simulations and managing common problems.

Previous knowledge

It is recommended to have prior knowledge of computer science, fundamentals of electrical network modes, theory of symmetric components of polyphase systems and methods of power system analysis.

Course schedule

Basic module (3 days):

- Introduction to PSS®E
- Familiarizing with the software
- Modeling
- Load Flow analysis
- Short-circuit and faults analysis
- Contingency analysis

Advanced module (2 days)

- Dynamic simulations
- Initializing the simulation
- Simulation procedures
- Dynamic models
- Management of common problems

Training venue

Siemens S.A.

Energy Management Division
Digital Grid
Power Technologies International
Ronda de Europa, 5
C.P. 28760 Tres Cantos (Madrid) Spain

Who teach the training

Jose Antonio Mori de Santiago

Siemens Power Technologies International (PTI) consultant, specialized in electric networks.