

Seminar Objectives and Content

The Network for Earthquake Engineering Simulation (NEES) currently integrates the major US laboratories on the NEES Grid, making it possible for researchers to collaborate remotely on experiments, computational modelling, and education. The objective of the seminar is to provide potential European partners with the necessary background to evaluate the NEES initiative, consider adoption of some of the NEES components, and discuss potential international collaboration.

The first day of the seminar is devoted to an introduction to the NEES Cyberinfrastructure and a tutorial on the NEESit software components.

The second day of the seminar will be devoted to a more in-depth presentation of the NEESit software, its structure and programming, and will leave space for discussion on possible collaborations.

Speakers

The seminar will be conducted by Dr. Lelli Van Den Einde (Assistant Director for NEESit Operations) and Shannon Whitmore (Software Architect) from the Supercomputer Center of the University of California at San Diego.

Local organization

For registration and practical organization matters:
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NEES and NEESgrid Seminar

Event supported by I-SAMCO
International Structural Assessment, Monitoring and Control
European Commission FP6-NMP SSA

Speakers:

Lelli Van Den Einde
Shannon Whitmore

Organizer:

Pierre Pegon
EC-JRC-Ispra

Venue:

May 23-24, 2005
Amphitheatre
JRC-Ispra

PROGRAM (May 23)

Introduction to NEES and description of the software components

09:00	Welcome and Introduction
09.15	Introduction to NEES (Philosophy, Evolution, Equipment sites)
10.00	Overview of NEES Cyberinfrastructure Center - NEESit (Services, Goals, and general overview of software components)
10.45	<i>Coffee Break</i>
11:15	NEESit Software Tutorial (Collaboration)
12:00	<i>Lunch</i>
13:30	NEESit Software Tutorial (Tele-presence)
14:30	NEESit Software Tutorial (Visualization and Simulation)
15:15	<i>Coffee Break</i>
15:45	NEESit Software Tutorial (Central Repository and NEEScentral)
16:30	NEESit future plans
17:00	<i>End of first day</i>

PROGRAM (May 24)

Technical overview and collaborations

9:00	Overview of NEESit Software Development Practices (software engineering process, configuration management plan, required documentation)
10:00	NEESit Coding Conventions
10:30	<i>Coffee Break</i>
11:00	NEESit Software Architecture (Overview of internal structures and programming)
12:00	<i>Lunch</i>
13:30	Integrating with NEESit (Authentication, Security, and Central services)
14:00	Discussion of Potential Collaboration
15:30	<i>Coffee Break</i>
16:00	Continued Discussion of Potential Collaboration
17:00	<i>Closure</i>