



# SCALE TRAINING COURSE



## TSUNAMI Sensitivity and Uncertainty Analysis Methods for Criticality Code Validation

### Day 1

8:30 AM	Introductions/Course Overview
9:00 AM	Review of Current Validation Approaches
10:00 AM	Overview of S/U Validation Approach
10:30 AM	Break
10:45 AM	TSUNAMI-1D Sensitivity Analysis Sequence
12:00 AM	LUNCH
1:00 PM	Unit Cell Calculations with TSUNAMI
2:00 PM	SCALE 5 GUIs (GEEWiz/Javapeno/SAMS HTML Output)
3:00 PM	TSUNAMI-1D Workshop

### Day 2

8:30 AM	TSUNAMI-3D Sensitivity Analysis Sequence
9:30 AM	BREAK
9:45 AM	TSUNAMI-3D Sensitivity Analysis Sequence (continued)
11:00 AM	BREAK
11:15 AM	KENO V.a HTML Output, KENO3D Visualization GUI
12:00 PM	LUNCH
1:00 PM	TSUNAMI-3D Workshop

### Day 3

8:30 AM	Review of TSUNAMI-3D Workshop Solutions
9:30 AM	Uncertainty Analysis Fundamentals
10:00 AM	BREAK
10:15 AM	Integral Indices ( $c_k$ , $c_r$ , TSURFER Introduction )
11:00 AM	Coverage and Penalty Calculations ( $G$ , $g$ , Extended $c_k$ , composite)
11:30 AM	TSUNAMI-IP Description and Use
12:00 PM	LUNCH
1:00 PM	USLSTATS Trending Program
1:30 PM	Validation Applications Workshop



# SCALE TRAINING COURSE

## TSUNAMI Sensitivity and Uncertainty Analysis Methods for Criticality Code Validation



### Day 4

8:30 AM	TSUNAMI, A User's Perspective
10:00 AM	BREAK
10:15 AM	TSUNAMI, A User's Perspective (Cont.)
12:00 PM	LUNCH
1:00 PM	Workshop – Using TSUNAMI
4:00 PM	Course Conclusion