



European
Commission

Horizon 2020
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for Research & Innovation

NARSIS Workshop
Training on Probabilistic Safety Assessment for Nuclear Facilities
International Training Course
Warsaw, Poland, September 2-5, 2019
Early Draft Programme
Revision 5

	Monday, September 2nd	Tuesday, September 3rd	Wednesday, September 4th	Thursday, September 5th	
Time	Day 1 Theme	Day 2 Theme	Day 3 Theme	Day 4 Theme	
08:15		Keynote Lecture - Safety vs Security Prof. B. Bazargan Sabet (BRGM, France)	Specialized Lecture - Nuclear Power Plant Accidents TBD (IAEA, Department of Nuclear Safety and Security)	Keynote Lecture - Human Factors J. Johnson (FORATOM, Brussels)	
09:00		<i>Identification of critical elements within NPPs (screening and ranking methods)</i>	<i>Severe accident phenomenology and management</i>	<i>Bayesian Networks exercises and software</i>	
10:00		Coffee Break	Coffee Break	Coffee Break	
10:30		<i>Latent Weaknesses and Root Causes In The Feedback Of Operating Experience Programmes</i>	Keynote Lecture - PSA: Main Elements and Role in the Process of Safety Assessment and Verification I. Vrbanic (APOSS, Croatia)	Workshop Summary - round table	
11:15		Workshop Registration	<i>Methods for the derivation of fragility functions</i>	<i>Principles of severe accident risk analysis</i>	Transfer to National Nuclear Research Centre
11:30					
12:00					
12:15					Lunch Break
12:30		Lunch Break	Lunch Break	Lunch Break	
13:00					
13:30	<i>Introduction and overview of the training</i>	<i>Uncertainties and risk integration</i>	<i>Severe accident assessment by integrating probabilistic and deterministic analyses</i>	Visit to Research Reactor in National Nuclear Research Centre	
14:30	<i>Introduction to External Hazard Events - Background, Parameters, and Interactions</i>	<i>Metamodels for reducing computational costs in probabilistic safety analyses</i>	Group discussion/round table about Nuclear Prospective in Europe TBD (IAEA, FORATOM, CNEFS, NARSIS)		
15:00	Coffee Break	Coffee Break		Transfer to Warsaw	
15:30	<i>Modelling External Events - From Deterministic to Probabilistic - Concepts and NPP State of the Art</i>	Specialized Lecture - Multihazard Bayesian Analysis & PSA A. Gupta (Center for Nuclear Energy Facilities & Structures-CNEFS, Raleigh, USA)	Coffee Break		
15:50					
16:05					
16:20					
16:35					
16:50		19:30 Social Dinner			

No registration fee.

For students (Masters, PhD, postdocs): a **mobility grant** can be obtained from **ENEN+ Project** - more details on the workshop webpage - application before June 30, 2019.

Coffee breaks and lunch breaks are provided by organizers.

Social Dinner on 3rd of September is provided by organizers.