



Seismic Safety Analysis for strategic Facilities: Fault – Structure - Equipment
Porquerolles, April 23 – 27 2018,
Final Program

Monday, April 23 rd	Tuesday, April 24 th	Wednesday, April 25 th	Thursday, April 26 th	Friday, April 27 th
Seismic Hazard and Seismic waves in soil	Site effects Civil Engineering and Components	Vulnerability	Specialized modules	Seismic Risk Assessment
Introduction & Overview of the 2018 training <i>C. BERGE-THIERRY / F. LOPEZ-CABALLERO / C. GIRY or B. RICHARD/F. VOLDOIRE/I. ZENTNER/A. LE MAOULT</i> <i>8:30-10:00 a.m.</i>	Geotechnical Earthquake Engineering <i>F. LOPEZ-CABALLERO / F. HOLLENDER / E. FOERSTER</i> <i>8:30-10:00 a.m.</i>	Soil and Structure Interaction (SSI) <i>S.GRANGE/F. LOPEZ-CABALLER</i> <i>8:30-10:00 a.m.</i>	Seismic hazard : DSHA : <i>C. BERGE-THIERRY</i> PSHA : <i>G. SENFAUTE / J. MAYOR</i>	Conference <i>V. DE VILLE from Bureau Greisch</i> <i>9:00 – 10:00 a.m.</i>
10:00 -10:30 a.m. : COFFEE BREAK				
Geological and seismological data & models to assess seismic hazard <i>K. MANCHUEL / C. BERGE-THIERRY</i> <i>10:30-12:30 a.m.</i>	Structural dynamic basics <i>C. GIRY/N.MOUSSALLAM</i> <i>10:30-12:30 a.m.</i>	Vulnerability assessment – Fragility curves <i>I. ZENTNER</i> <i>10:30-12:30 a.m.</i>	Geophysical Characterization of Sites And Experimental Approaches for Structures <i>F. HOLLENDER / D. MERCERAT / A.LE MAOULT / V. CROZET</i>	Risk Analysis : synthesis of modules <i>Conclusion</i> <i>(10:30 - 1:00 p.m.)</i>
12:30-2:00 p.m. : LUNCH BREAK				
Overview of the Probabilistic Seismic Hazard Assessment... <i>J. MAYOR</i> <i>2:00-3:15 p.m.</i>	Analysis and Design methods <i>F. VOLDOIRE/N.MOUSSALLAM</i> <i>2:00-3:45 p.m.</i>	FREE AFTERNOON	Each Module: 8:30 a.m. - 6:00 p.m.	
COFFEE BREAK				
...Towards engineering users' needs : - Synthetics accelerograms using engineering tools - <i>I. ZENTNER</i> - Generation of ground-motion time series using Empirical Green's Functions (EGFs) and complex source modeling - <i>M. CAUSSE</i> <i>3:45 - 5:15 p.m.</i>	COFFEE BREAK			
Seismic waves propagation in soil <i>F. LOPEZ-CABLLERO / F. GATTI and/or S. TOUHAMI</i> <i>5:15 -6:00 p.m.</i>	Nonlinear structural modelling in earthquake engineering: continuous, homogenized and enhanced approaches <i>B.RICHARD/ S.GRANGE/ F.VOLDOIRE</i> <i>4:15 -6:00 p.m.</i>		Non-linear response of structures and equipment - Reduction of vulnerability <i>B.RICHARD / C. GIRY/ S. GRANGE/ N.MOUSSALLAM</i>	
			Probabilistic methods Propagation of uncertainties Risk analysis <i>I.ZENTNER And R. COTTEREAU</i>	
			Non-linear interactions between soil and structures <i>E. FOERSTER / F. LOPEZ-CABALLERO</i>	
Welcome Drink		Conference <i>Y. FUKUSHIMA from the IAEA</i> <i>6:00 - 7:30 p.m</i>		
7:30 p.m. : DINNER				