

Alta Scuola Politecnica  
12<sup>th</sup> cycle - Winter School 2017  
**Complex Decision Making Under Emergency Conditions**  
March, 13<sup>th</sup> - 17<sup>th</sup>  
Loano

**Coordinators** Gian Paolo Cimellaro  
**Tutors** Paolo Castaldo, Marco Domaneschi, Omar Kammouh

**Monday, March 13<sup>th</sup>**

11.00 – 11:15 **Welcome Address**  
Mario Calderini, *ASP Director*

11.15 – 13:00 **Thematic Course Introduction and Organization - Pretest of the course**  
**How to do exactly the right thing at all possible times**  
**Complex Decision Making under Emergency Conditions**  
Gian Paolo Cimellaro, *Politecnico di Torino, Dept. of Structural Engineering*

13:00  
*Lunch*

14:30 – 18:00 **Decision making: Emergency conditions**  
**The basic elements of the decision making process and the possible strategies**  
Gian Paolo Cimellaro, *Politecnico di Torino, Dept. of Structural Engineering*

**Tuesday, March 14<sup>th</sup>**

09:00 – 13:00 **Decision Making Framework for Risk Assessment and management under Uncertainties**  
Solomon Tesfamariam, *University of British Columbia, Dept. of Civil Engineering*

13:00  
*Lunch*

15:00 – 18:00 **Decision making during offshore sailing emergencies**  
Marco Domaneschi, *Politecnico di Torino, Dept. of Structural Engineering*

**Wednesday, March 15<sup>th</sup>**

09:00 – 12:00 **Seismic Performance of Non-Structural Building Elements: The New Frontier of Earthquake Engineering**  
Andre Filiatrault, *University at Buffalo (SUNY), Dept. of Civil, Structural and Environmental Engineering, N.Y., USA and School of Advanced Studies (IUSS) Pavia*

12:00 – 13:00 **Presentation of the Final Examination**  
Alessandra Oppio, Emilio Paolucci

13:00  
*Lunch*

14:30 – 18:30 **Introduction to the group work and Group work session**  
Gian Paolo Cimellaro, Marco Domaneschi, Omar Kamouh, Paolo Castaldo *Politecnico di Torino, Dept. of Structural Engineering*

18:45 – 19:15 **ASP Students meet companies**  
19:15 – 19:45 **Discussion with companies**

**Thursday, March 16<sup>th</sup>**

9:00 – 12:00 **Applications and Examples of decision making under emergency**  
Gian Paolo Cimellaro, *Politecnico di Torino, Dept. of Structural Engineering*

12:00 – 13:00 **Performance-Based risk assessment of critical structures and systems**  
Michalis Fragiadakis, *National Technical University of Athens (NTUA), Athens*

13:00  
*Lunch*

14:00 – 16:00 **Performance-Based risk assessment of critical structures and systems**  
Michalis Fragiadakis, *National Technical University of Athens (NTUA), Athens*

16:00 – 18:30 **Groupwork session**  
Marco Domaneschi, Omar Kammouh, Paolo Castaldo *Politecnico di Torino, Dept. of Structural Engineering*

18.45 – 19:15 **ASP Students meet companies**  
19.15 – 19:45 **Discussion with companies**

**Friday, March 17<sup>th</sup>**

09:00 – 12:30 **Elaboration of final presentation**  
12:30 *Lunch*

14:00 – 16:00 **Final Presentation and final test**

Loano2Village  
Riviera delle Palme Via degli  
Alpini, 6 - Loano (SV)

Plenary sessions take place in  
Room "Luna Rossa"

ASP Events take place in Room  
"Portofino"