

Alta Scuola Politecnica  
13<sup>th</sup> cycle - Spring School 2017  
Course **Design Methods and Processes**  
May, 22<sup>nd</sup> – 26<sup>th</sup> Loano (SV)

**Coordinator** Gaetano Cascini

**Tutors** Serena Graziosi, Francesca Montagna, Federico Rotini

**Monday, May 22<sup>nd</sup>**

10:30 – 10:45

**Welcome Address**

Mario Calderini, *ASP Director*

10:45 – 12:00

**Design Methods and Processes: Introduction**

Gaetano Cascini, *Politecnico di Milano, Dept. of Mechanical Engineering*

12:00 – 13:15

**From the Lab to the South Pole: problems and solutions to set up and carry out an experiment in Antarctica**

Giovanni Bianchini, *INO-CNR National Institute of Optics*

13:15

*Lunch*

14:15 – 15:15

**Hands On Managing Design Competencies and Roles**

Stefania Altavilla, *Politecnico di Torino*

15:15 – 15:45

**Project Work Intro**

Federico Rotini, *Università degli Studi di Firenze*

15:45 – 18:30

**Team Working Session: team introduction and project structure**

**Tuesday, May 23<sup>rd</sup>**

09:00 – 10:15

**Design for Innovation - How to engineer the innovation diffusion into the design activities**

Francesca Montagna, *Politecnico di Torino*

10:15 – 11:30

**Key issues for collaborative design teams**

Ross Brisco, *University of Strathclyde*

11:45 – 13:00

**Design and innovation: approaches, processes and case studies**

Alessandro Deserti, *Politecnico di Milano, Dept. of Design*

13:00

*Lunch*

14:00 – 15:00

**Hands On Design Task Clarification**

Serena Graziosi, *Politecnico di Milano, Dept. of Mechanical Engineering*

15:00 – 18:00

**Team Working Session: identification of requirements and related classification**

18:00 – 18:30

**Discussion on Design Tools Application**

Tutors

“Loano2Village” Riviera della Palme  
Via degli Alpini 6, Loano (SV)

Plenary Sessions take place in  
Room “Portofino”

ASP Events take place in  
Room “Portofino”

**Wednesday, May 24<sup>th</sup>**

09:00 – 10:15

**Research, Design, Innovation**

Johan Kildal, *IK4-TEKNIKER*

10:15 – 11:30

**The rise of technology in collaborative design**

Ross Brisco, *University of Strathclyde*

11:45 – 13:00

**ASP students’ design experiences**

13:00

*Lunch*

14:00 – 15:00

**Hands On Problem Framing and Idea Generation**

Gaetano Cascini, *Politecnico di Milano, Dept. of Mechanical Engineering*

15:00 – 18:00

**Team Working Session: idea generation**

18:00 – 18:30

**Discussion on Design Tools Application**

Tutors

**Thursday, May 25<sup>th</sup>**

09:00 – 10:15

**User Experience: The End User in Your Design Process**

Johan Kildal, *IK4-TEKNIKER*

10:15 – 11:30

**Video games are complex systems, try design one!**

Pier Luca Lanzi, *Politecnico di Milano*

11:45 – 13:00

**ASP students’ design experiences**

13:00

*Lunch*

14:00 – 15:00

**Hands On Concept Formulation and Assessment**

Gaetano Cascini, *Politecnico di Milano*

Francesca Montagna, *Politecnico di Torino*

Federico Rotini, *Università degli Studi di Firenze*

15:00 – 18:00

**Team Working Session: idea selection and concept formulation**

18:00 – 18:30

**Discussion on Design Tools Application**

Tutors

**Friday, May 26<sup>th</sup>**

09:00 – 11:00

**Team Working Session: Finalization of project presentation**

11:00 – 12:30

**Design Informatics, History, Achievements and Open Issues**

Christopher Alan McMahon, *Technical University of Denmark*

12:30

*Lunch*

13:30 – 15:45

**Teams Presentation**

15:45 – 16:30

**Awards and Closing Session**

Gaetano Cascini & Tutors