Seminars

Floating Offshore Wind Turbines: Intro and Coupled Dynamics
April 8th, 2016 – h. 14.00 - Department of Mechanical Engineering
Seminar held by Maurizio Collu – Cranfield University

Principles of STEM and materials science applications
April 22nd, 2016 – h. 14.00 - Department of Mechanical Engineering
Seminar held by Ferdinand Hofer – Graz University of Technology

Colloquia Doctoralia

5th PhD day of the Doctorate in Industrial Chemistry and Chemical Engineering
"Excelling to compete": The doctorate as a strategic resource for Industry. The meeting includes invited oral presentations from several industries and poster presentations of the PhD students. The oral presentation of the best doctoral thesis, selected by industry experts, will complete the meeting.

A seminar held by Alessio Frassoldati April 4th, 2016 – Rogers Hall, h. 9.00-13.30

PhD Programme in Structural Seismic and Geotechnical Engineering
April 14, 2016 – Final Exams of PhD candidates, 4th Session 2016

Starting courses - PhD School

SCIENTIFIC COMMUNICATION IN ENGLISH
Prof. Paolo Biscari – Prof. Timothy Jan Sluckin
The aim is to develop and improve the candidates' scientific writing, as well as increase their ability to deliver scientific and technical presentations in English.
The course will start on 27 April 2016

QUALITATIVE RESEARCH METHODOLOGIES IN PLANNING, DESIGN AND ENGINEERING
Prof. Paolo Gaetano Volontè
The mission is to teach relevance and tools of a qualitative approach to PhD research. Furthermore, the course highlights the peculiarities of doing research in the polytechnic fields focusing on a methodological approach that is complementary to the hard sciences' one.
The course will start on 19 April 2016

Open Access and University Policy on Open Access to Scientific Literature
(by Open Access Work Group @polimi)

The Politecnico di Milano promotes open access to scientific literature: the University Policy on Open Access to Scientific Literature, active since October 2014, states that every professor, researcher, and collaborator have to store his scientific products in Politecnico’s open access archive RE.PUBLIC@POLIMI, notwithstanding the cases of incompatibility with other rights (publishers' copyright policies) and procedures (patents). This archive is indexed by internet search engines, and promotes the dissemination of Politecnico’s scientific products, ensuring a high impact for their authors and a high visibility of their university.
Starting courses – Doctoral Programmes

PhD in Architecture, Built Environment and Construction Engineering

DEALING WITH UNCERTAINTIES IN CONSTRUCTION

Prof. Fulvio Re Cecconi

Uncertainty affects many decisions in construction sector. The mission of the course is to teach how to deal with it, using Montecarlo simulation method. Although the main, historical applications of this method were in physics, the goal is wide and the course aims to give students basic knowledge about MC simulations, softwares that suit best application and present its use in research, in general. The course is organized the help of Mauro Mancini (DIG) and Piero Baraldi (ENERGIA) 2016.

The course will start on April 4th 2016

WOOD (AS CONSTRUCTION MATERIAL)

Prof. Maria Adelaide Parisi

Wood as construction material is traditional and innovative at the same time. Industrial evolution has overcome the limits of the basic material and opened new horizons in structural as well as non-structural applications. New approaches and new technologies in the rehabilitation of existing and heritage structures offer structurally sound solutions compatible with cultural heritage conservation principles. The course aims at providing a broad view of the world of wood, with knowledge of current developments, research issues, and open questions.

The course will start on May 2nd 2016

PhD in Bioengineering

MECHANOBILOGY

Prof. Manuela Raimondi

This course will cover the main research methodologies used in the ERC-funded project NICHOID, which addresses the engineering of advanced substrates for the culture of stem cells.

The course will start on 18 April 2016

PhD in Information Technology

INTEGER PROGRAMMING AND SCHEDULING

Prof. Helena Ramalhinho Lourenço

The course will focus on Operations Research methodology to solve Integer and Combinatorial Optimization problems, as Routing, Location and Cliques, with a particular focus on Scheduling problems. The course covers two relevant methodologies: exact methods, and heuristics and metaheuristics algorithms. The course focuses on developing skills from Operations Research techniques based on mathematical modeling methodology as well as metaheuristics to solve large-scale and complex optimization problems. Applications from different areas (Business, Telecommunications, Marketing, Logistics) will be presented.

The course will start on 5 April 2016
PhD in Structural Seismic and Geotechnical Engineering

SELECTED TOPICS OF EARTQUAKE ENGINEERING
Prof. Maria Gabriella Mulas

The course will start on 6 April 2016

PhD in Preservation of the Architectural Heritage

METHODS AND THEMES OF HISTORICAL RESEARCH
Exporting architecture. Professional strategies, design cultures, building practices and new markets over the period of the 18th to 20th century. PhD in Preservation of Architectural Heritage
April - May, 2016

DIAGNOSTIC OF MATERIALS AND STRUCTURES AND REHABILITATION OF HISTORICAL BUILDINGS”
Towers and bell towers: analysing the current situation, safety margins, and possible interventions
April - May, 2016

The detailed Programme of each course is available from the Programmes’ Courses page, or here: 🌐. For more information, i.e. about starting date and classrooms, please check the “notes” field in the Course Details (follow the icon: 📢) or send an email message to the responsible for the Course: 📧. Candidates from PoliMi PhD School must include the Course in their study plan. Others must contact the responsible for the course.

To submit information about seminar, events, and other news for publication in forthcoming newsletters, please download and fill in the following format, and E-mail it to: phdschool@polimi.it.