Polimi Career Service for the life-after-PhD
by Francesca Saracino (Head of the Career Service)

The Career Service is the office of Politecnico that helps the transition of its students from university life to the job market. It offers students and recent graduates the opportunity to:

✓ connect directly with hundreds of employers and create their first business network;
✓ learn about business and industry (job functions and skills required, employment data, etc.);
✓ apply directly to job offers online and do job interviews on campus;
✓ develop additional skills, crucial for the job market, with practical experiences (i.e. CV check events, job interview simulations) and flexible online resources.

Life-after-a-PhD is often a tough question and the Career Service may help you to find your way: to analyze the job market, to match employers’ skills request with the skills you offer; to make the best decision for your future.

The less you know the market, the harder it is to choose a path, especially for PhD candidates, who often spend eight years of straight academic work and know little or nothing about how private employers hire, what an HR interview is (often they don’t even know what the HR acronym means: Human Resources) and how companies may value PhD holders and their skills.

Therefore, the PhD School and the Career Service decided to offer PhD Candidates in their last year a special program called Career Guidance for PhDs and Temporary Researchers, in collaboration with Associazione Prospera. This is how it works:

1. A first individual meeting with a Career Service Advisor for a CV review and to identify what sectors and which companies to target, during your job search;
2. A second sector specialist meeting, to assess you and your needs, to perform a job interview simulation and to give you basic hints about the best communication strategy to present yourself and your PhD experience;
3. A last, third meeting to verify the achieved results.

This is a call for this special program, cyclically offered. If you want to attend to it (or would just like more info), send an email here, with your personal data and your requests. We will then call you to schedule the first meeting.

Moreover, let us give you a few simple tips for your future:

- **Start early** and start with a plan (don’t act randomly, study the market, consider available jobs, understand what job titles really mean and how to value them) and ask (us) for help!
- Prepare your presentation (the story of your research, written for those not in your field).
- **Stay open to change**: the job market changes continuously, opportunities run (this may happen more than once in a lifetime: be ready to change your career).
- **Don’t fear chaos**, a little may be good (that’s serendipity, dudes!).
- **Learn languages** (or improve those you already know). Learn Italian, if you are a foreign student and you want to work in Italy.
- **Don’t fear chaos**, a little may be good (that’s serendipity, dudes!).
Calls and events

**Bando IDEA League Students Grant**
Politecnico di Milano supports short-term research exchanges among IDEA League partners with the 2016 Students Exchange call. The grants are made available to Politecnico di Milano PhD Candidates who want to do a short-term research stay at an IDEA League partner university.

Deadline for applications: December 12th, 2016

**Erasmus Mundus SUSTAIN-T call for mobility**
Scholarships are granted by EU Commission through the Erasmus Mundus SUSTAIN-T (Technologies for Sustainable Development) Partnership, coordinated by Politecnico di Milano.

The program supports visiting costs to and from the Project Partners, Latin American Institutions, for collaborations on innovative technologies for sustainable development. All PhD candidates, post-doc researchers, and faculty members may apply for funds.

Deadline for applications: December 13th, 2016

**Become a MATLAB professional for teaching and research**
All interested PhD candidates are invited to participate to the presentation. Registration is free but mandatory.

December 14th, 2016 – h. 16:30

**L’Oréal Italia Women in Science" Award**
15th edition of the "L’Oréal Italia Women in Science" award, in collaboration with the Italian Commission for UNESCO. The award is made up of 6 scholarships of 20 thousand euro, which will be given to deserving researchers to develop their scientific activity in the area of life and material sciences, including Mathematics, IT and Engineering.

Deadline for applications: January 16th, 2017

Seminars

**Nonlinear dynamics in engineering: from light structures to production processes**
Dr. Andrea Cammarano – University of Glasgow will discuss nonlinear dynamics in engineering applications: inspired by the nonlinear behaviours of light structures, the speaker will investigate, in more general terms, where and why nonlinear theories are not adequate and what we can do to correctly model nonlinear systems.

December 2nd, 2016 - h. 2:00 pm Sala Corsi Bertolini (B22 – Via La Masa 1)

**DICA seminar: ‘NDToys: affordable tools for structural inspection’**
With prof. Roberto Felicetti: a seminar organized by the DICA Scientific Committee.

December 15th, 2016

**ABC-PhD OPEN TALKS: DANIEL BARBER @polimi**
Daniel Barber, Assistant Professor of Architecture at Penn Design, makes research, with a very broad disciplinary perspective, about the relationship between the design fields and the emergence of global environmental culture, in the last century. His speach will tell us his history as historian of design, who tried to integrate narratives and methods from the histories of architecture, art, landscape architecture, technology, science, politics and, last but not least, economics.

December 19th, 2016 – Aula Consiglio (dip.to ABC) 1st floor Bld 14 - Campus Leonardo
Starting courses – PhD School

TOOLS AND METHODS FOR THE ECONOMIC ANALYSIS OF BUILT ENVIRONMENT

Proff. R. Capello, Smit Martijn Jakob

The goal of this course is to provide students with a set of analytical tools for measuring, interpreting, and explaining spatial process affecting the built environment.

December 5th – 22th, 2016

MONTE CARLO SIMULATION METHODS: THEORY AND APPLICATIONS TO STOCHASTIC AND UNCERTAIN SYSTEM, STRUCTURES AND COMPONENTS

Proff. P. Baraldi, F. Cadini, E. Zio, F. Di Maio

Students will learn the most advanced methods of Monte Carlo (MC) simulation to quantitatively model the behavior of stochastic engineering systems and perform uncertainty and sensitivity analyses, e.g. those typical of the nuclear, aerospace, chemical, structural, hydraulic, environmental, electrical and mechanical fields.

December 2nd, 2016

Starting courses – Doctoral Programmes

PhD in Structural Seismic and Geotechnical Engineering

ELASTIC WAVE PROPAGATION WITH APPLICATIONS TO EARTHQUAKE ENGINEERING

Prof. Roberto Paolucci

- Mathematical background: Fourier transform; analysis of linear systems in time and frequency domain; transfer function and impulse response.
- Numerical methods for elastic wave propagation: finite differences, boundary elements and spectral methods.

December 2nd, 5th, 12th, 16th, 19th 2016

PhD in Architecture, Built Environment and Construction Engineering

HEAT AND MOISTURE FUNDAMENTALS AND APPLICATIONS IN BUILDING ENVELOPE DESIGN

Proff. Enrico De Angelis, Riccardo Paolini

This course aims to provide skills and awareness for the numerical hygrothermal simulation (dynamic heat and moisture transport) at 1-D and whole building scale, in porous building envelope materials and it is organized for doctoral students dealing with building envelope design.

December 12th – 16th 2016