



**CALLS AND EVENTS**

**IDEA League**

**IDEA LEAGUE STUDENT GRANTS**

Politecnico di Milano supports short-term research exchanges among IDEA League PhD candidates. 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.

[Call](#)

[Annex](#)

Further information: <http://idealeague.org/student-grant>

The application for admission to the selection procedure must be sent only through the application: “Application form” > “Selection procedures”, available in the [online services](#) of Politecnico di Milano.

Please note that inside the application the section INCOME DATA doesn't have to be filled in.

Deadline for applications: 20<sup>th</sup> December 2019



**IDEA League**

**IDEA LEAGUE DOCTORAL SCHOOL 2020 ETHICS OF SCIENCE AND TECHNOLOGY**

The IDEA League introduces a brand new Doctoral School on ‘Ethics of Science and Technology’, which will be taking place in 2020. Scientific knowledge and technology does not only shape the way we live and act in the world, but also depends on specific visions about what the world should look like and how humans should relate to one another. As a PhD candidate this specific Doctoral School will help you to become more critically aware of ethical aspects of science and technology in your specific field of research. Decisions to tackle a scientific problem or to develop, design, manage, control, produce, and finally deploy a technology incorporate profound ethical assumptions and possess deep ethical implications

Further information [here](#)



**PHOTONICS ONLINE MEETUP**

OSA Student Chapter and EPS Young Minds of Politecnico di Milano have the pleasure to invite you to the first fully online Worldwide conference: [Photonics Online Meetup](#), organized by the USC University of Southern California.

We will host a special streaming Hub on **January 13<sup>th</sup> 2020** from 8pm to 1am in Aula Auditorium, Via Pascoli 53, Milano.

The timing is a bit unusual (we will be streaming worldwide, from San Francisco to Tokyo!) but it will be a lot of fun, you will have chance to listen to keynotes and talks given by international researchers/professors who are true pioneers in the field of Photonics.

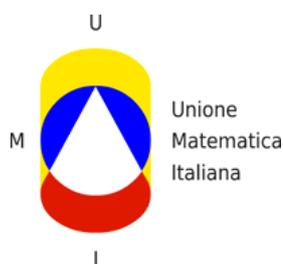
...and food will be provided for the attendees!

The [online registration](#) is free of charge, but mandatory.

We also kindly ask you to fill out [this form](#) to be officially part of the conference.

January 13<sup>th</sup> 2020 from 8pm to 1am in Aula Auditorium, Via Pascoli 53, Milano





## GRANTS FOR VISITING STUDENTS IN SELECTED MATHEMATICAL INSTITUTIONS

The UMI (Italian Mathematical Union) issues a call for Visiting Grants in Mathematics for visiting periods in 2020. To inspect the call (including the list of nine hosting institutions for which it is possible to apply), the conditions and to apply please visit the [UMI website](#) (in Italian)

The amount of the grant is 2.500 EUR

Deadline: 31<sup>st</sup> Genuary 2020



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## ERASMUS+ (OUTGOING MOBILITY FOR STUDY PURPOSES)

The call for the 2020/2021 International Mobility for study (including the Erasmus+ programme) has been issued.

The Erasmus Programme offers support for mobility of students within European programme countries as well as within a selection of Extra-UE partner countries (KA107). All Politecnico di Milano students apply in the "International mobility for study" section of their Online Services.

Application from 3 December 2019 to 9 January 2020 (12:00 noon).

Please be informed that, although Switzerland does not take part in the Erasmus programme, Swiss institutions are also offered as possible mobility destinations (under ACCORDI BILATERALI EXTRA UE).

After selection for the programme, the host university has to accept the students for mobility, so for PhD candidates it is advisable to make contact with a research group in advance, to plan the visit.

For general information about the Erasmus Programme and for the lists of destinations available to PhD students please visit the webpages:

<https://www.polimi.it/en/services-and-opportunities/experience-abroad/erasmus-plus>

<http://www.dottorato.polimi.it/en/during-your-phd/periods-abroad-and-stages/international-mobility-programs-outgoing/erasmus-outgoing-mobility-for-study-purposes/>

The call is available at the webpage

<https://www.polimi.it/en/services-and-opportunities/experience-abroad/study-mobility/erasmus/call/>

For further administrative information about the program please contact [erasmus@polimi.it](mailto:erasmus@polimi.it)

Deadline for applications: 9<sup>th</sup> January 2020



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## VULCANUS IN JAPAN – A TRAINING PROGRAM FOR EU STUDENTS

Since 1997, the program Vulcanus in Japan allows to EU/COSME students to participate to a one-year programme, entirely undertaken in Japan.

The selected students follow:

- a seminar on Japan
- a four-month intensive Japanese language course
- an eight-month internship in a Japanese company.

For information about the program and how to apply please visit [this website](#)

Deadline for applications: 20<sup>th</sup> January 2020





## SCHOLARSHIPS FOR CONDUCTING RESEARCH AT THE UNIVERSITÉ DE MONTRÉAL

The Mitacs Globalink Funding Programs for International Students provide 150 new scholarships each year for foreign students who wish to do a research stay at the Université de Montréal under the Globalink Research Award program.

For further information and to apply please visit this [webpage](#)



## SEMINARS AND WORKSHOPS

### RESILIENCE TRAINING OPPORTUNITY

The Politecnico di Milano PhD School and Enel Foundation, in collaboration with the United Nation Private Sector Alliance for Disaster Resilient Societies (ARISE), offer a workshop on Resilience-related themes.

After an overview of the UN Sustainable Development Goals, a description of the Sendai Framework for disaster risk reduction and a snapshot on the increase of hazardous phenomena (Enel Foundation and UN Office for Disaster Risk Reduction), students will focus their attention on a business case related to investment for resilience and effective response (Enel Group).

Speakers: Senior Representatives and Executives from Enel Foundation, UNISDR and the Enel Group

Registration is free, but mandatory by filling this [online form](#)

Essential Pre-readings:

- [Sustainable operations management: a typological approach](#) (Lawrence M. Corbett)
- [Sendai Framework](#)
- [The road to resilience - managing and financing extreme weather risk](#)

Monday, December 10th 2018, 3 pm – 5 pm - Campus Leonardo, Castigliano Conference Room - Building #5



### THE WATERJET AS A MANUFACTURING TOOL

**Dr. Mohamed Hashish, Flow International Corporation**

The waterjet is a tool that has been used in many manufacturing applications. This presentation will start by covering some basics of high pressure technology and fluid flow. Several applications will be discussed to highlight the need for developing special waterjet tools and strategies to perform certain manufacturing requirements. However, there are many areas needing research and advanced studies, so waterjets become even more environmentally friendly and industry 4.0 compatible.

December 12th 2019, 10:00 am – Sala Consiglio, Department of Mechanical Engineering, Via La Masa 1





## STARTING COURSES – DOCTORAL PROGRAMMES

### PHD IN INFORMATION TECHNOLOGY

#### MACHINE LEARNING METHODS FOR COMMUNICATION NETWORKS AND SYSTEMS

**Prof. Francesco Musumeci**

The course aims at providing fundamentals of Machine Learning (ML) techniques which can be suitable for communication networks and systems and gives an overview of the typical research problems tackled with such methods.

From 11<sup>th</sup> to 20<sup>th</sup> December 2019



### OTHER NEWS

#### COLLECTION OF BEST PHD THESES IN INFORMATION TECHNOLOGY PUBLISHED IN POLIMI SPRINGER BRIEFS

A selection of the best PhD theses in Information technology defended in 2019 has been published Open Access in a PoliMI SpringerBriefs volume containing short papers describing the results of nine thesis. The volume was published for the first time this year.

*B. Pernici (ed.) Special topics in Information Technology, PoliMi SpringerBriefs, 2020*

