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The PhD in Computer and Control Engineering

It aims at training new researchers in the area of

- Computer engineering
- Control engineering

It is managed by the Dept. of Control and Computer Engineering (DAUIN)

Grants come from

- Public bodies (PoliTO, European Commission, Eurecom, Città di Torino)
- Companies (e.g., STMicroelectronics, Huawei, TIM, Punch, Marelli, Comau).
The PhD in Computer and Control Engineering

- Very well established
- Appreciated worldwide
- Strongly supported by the top-level research groups
- Deeply connected with the international research community
- Many connections with companies
The PhD in Computer and Control Engineering

Topics for new PhD positions include

• Artificial Intelligence
• Data science
• Software Engineering
• Networking
• Virtual Reality
• Embedded Systems
• Control Systems
• ...

A more detailed (and periodically updated) list of topics can be found at http://www.phd-dauin.polito.it/proposals.php
The PhD in Computer and Control Engineering

#PhD students enrolled

- 2011: 15
- 2012: 15
- 2013: 25
- 2014: 20
- 2015: 20
- 2016: 20
- 2017: 20
- 2018: 25
- 2019: 30
- 2020: 35
What does a PhD student do?

He/she learns to do research under the guidance of a **supervisor**
• By following **courses** (140 hours over the 3 years)
• By doing research in a **group**
  • Understanding problems and scenarios
  • Knowing the state of the art
  • Devising ideas
  • Validating them experimentally
  • Writing papers and presenting his/her work
• By interacting with
  • **Companies**
  • Other **researchers** worldwide (e.g., during conferences)
What a PhD student will do after the degree?

He/she will find work

– within POLITO
– in other universities
– in research centers worldwide
– in companies

Look at http://www.phd-dauin.polito.it/alumni.php for examples!
The new PhD students selection

The main steps for each selection procedure are

1. The interested student looks for a research topic and a supervisor
2. The student submits his/her application
3. A selection committee ranks the applicants and selects the new students, based on their CV and an interview; some minimum requirements are defined and preliminarily checked by Scudo
4. The new students officially enroll as PhD students (by November 1)
5. Each new student is assigned to the corresponding supervisor

Look at http://www.phd-dauin.polito.it/proposals.php for the topics
Annual PhD award

Each year, the best PhD students receive an Award

• 2020: Alberto CANNAVO', Alberto MONGE ROFFARELLO, Sebastiano MIANO, Enrico PALUMBO, Francesco BARCHI
• 2019: Sarah AZIMI, Riccardo COPPOLA, Masoud HEMMATPOUR, Mariangela ROSANO
• 2018: Daniele JAHIER PAGLIARI
• 2017: Rosario SCATAMACCHIA
• 2016: Boyang DU
• 2015: Tingting HU

Their videos can be seen at
http://www.phd-dauin.polito.it/dissertationaward.html
Impact of the pandemic

Despite the pandemic, all research activities are fully running
For more information

http://www.phd-dauin.polito.it/index.html

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