



# Gabriele Grapow

## WORK EXPERIENCE

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### Internship on Control-Oriented Modelling

*ITER Project* [ 01/06/2022 – 30/09/2022 ]

City: Cadarache

Country: France

During the 4 months internship I helped lay the ground for the PCS - ECRH interface and I designed a parametric model for the steerable mirror actuator. I attended various conferences and meetings (21st joint workshop on ECE and ECRH; 4th ISFN Plasma Control Meeting)

### Administrative assistant

*La Sapienza University of Rome* [ 01/09/2023 – 21/12/2023 ]

City: Roma

Country: Italy

Participated in managing classroom assignments for semester lectures, coordinating the use of conference and event spaces, handling document protocol

### Librarian assistant

*La Sapienza University of Rome* [ 08/01/2021 – 01/07/2021 ]

City: Roma

Country: Italy

### Private teacher assistant

*private pupils* [ 01/09/2017 – Current ]

City: Roma

Country: Italy

## EDUCATION AND TRAINING

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### Master of Science in Nuclear Energy Engineering

*La Sapienza University of Rome* [ 10/2020 – 01/01/2024 ]

City: Roma

Country: Italy

Final grade: 110/110 Cum Laude

Thesis: Preliminary Control Oriented Modelling of the ITER Steering Mirror Assembly and Control System within the context of the PCS- ECH&CD interface

Key courses: Monitoring and Control of Power Systems, Nuclear Reactor Design (thermohydraulic project on ALFRED LMF reactor); Liquid Metal MHD, Technology and Physics of Fusion Energy, Nuclear Measurements, Advanced Heat and Mass Transfer, Plasma Physics

## 2023 PhDia Fusion Summer School

[ 06/2023 ]

City: niepolomice

Country: Poland

Artificial Intelligence for plasma diagnostic and controlled fusion  
Attendance was covered with a FuseNet Funding

## Erasmus Scholarship

*Linköping University* [ 08/2021 – 01/2022 ]

City: Linköping

Country: Sweden

Key Courses: Power Electronics, Engineering Systems Design

## Bachelor in Energy Engineering

*La Sapienza University of Rome* [ 10/2017 – 12/2020 ]

City: Roma

Country: Italy

Final grade: 102/110

Thesis: Graph theory applications for Energy Engineering

## Erasmus Scholarship

*Universitat Politècnica de Catalunya UPC* [ 09/2019 – 06/2020 ]

City: Barcelona

Country: Spain

## High school

*L.S.S. A. Righi* [ 09/2012 – 06/2017 ]

## Delegate of General Assembly

*Barcelona Model United Nations Conference, Barcelona (Spain)* [ 2015 ]

City: Barcelona

Country: Spain

## Scout AGESCI

[ 2010 – 2018 ]

Scout leader (responsible for approximately 50 children aged 8-12).

-Associazione Centro Astalli Italia Onlus, Rome (Italy) (orphanage's children);

-Fondazione Exodus Onlus, Cassino (Italy) (Rehabilitation Center)

-Comunità di Sant'Egidio, Roma (Italy) (Homeless' shelter)

-L'emozione non ha voce, Rome (Italy) (Rugby coaching to people with disabilities)

## LANGUAGE SKILLS

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Mother tongue(s): **Italian**

Other language(s):

### English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### Spanish

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

## **French**

**LISTENING** B1 **READING** A2 **WRITING** A1

**SPOKEN PRODUCTION** A2 **SPOKEN INTERACTION** A2

## **German**

**LISTENING** A1 **READING** A1 **WRITING** A1

**SPOKEN PRODUCTION** A1 **SPOKEN INTERACTION** A1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **DIGITAL SKILLS**

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Matlab/Simulink / Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / Google Suite (Doc, Slides, Form, Sheet, Drive) / NI LabVIEW 2019 / AutoCad 2D -3D / Autodesk AutoCAD (2006/2017)

## **Soft Skills**

Organizational and planning skills / Curiosity and determination / Team-work oriented / complex system interactions / goal-oriented engineering mind-set / commitment to precision / problem-solving attitude