# DOTTORATO DI RICERCA / PhD PROGRAM IN
## INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING

# *Ad hoc* course announcement

**TITLE:** **HOW TO BOOST YOUR PhD**

**LECTURER: PROF. ANTIGONE MARINO**

**CNR-ISASI**

*Physics Department*
*University of Naples Federico II*
*antigone.marino@unina.it*

**BIO NOTES:** Dr. Antigone Marino is researcher at the Institute of Applied Sciences and Intelligent Systems of the Italian National Research Council. Her research activities are focused on ellipsometry and optomechanical interaction with structured light. She is member of the Board of Directors of the Italian Physical Society, member of the Board of Directors of the OPTICA Foundation, and vice president of the IIEEE Photonics Society Italy Chapter

Nowadays, the scientific researcher profession requires a plurality of skills, on which we rarely stop to think about. Which ones are they? Above all, how to acquire them to turbo boost your PhD? The course is focused on these aspects of the scientific career.

## CREDITS: 5 CFU/ECTS

## All lectures are in room 0M03 in the Department of Physics, Complesso Universitario di Monte Sant'Angelo, via Cinthia, Napoli.

### Schedule:

| Lecture | Date | Time | Content |
|---|---|---|---|
| 1 | 10 January 2024 | 11.00-13.00 | Soft Skills |
| 2 | 17 January 2024 | 11.00-13.00 | Scientific Communication |
| 3 | 24 January 2024 | 11.00-13.00 | Chat, Speech or Talk |
| 4 | 31 January 2024 | 11.00-13.00 | Graphics |
| 5 | 7 February 2024 | 11.00-13.00 | Digital Reputation |
| 6 | 14 February 2024 | 11.00-13.00 | Scientific Curriculum |
| 7 | 21 February 2024 | 11.00-13.00 | Third Mission & Outreach |
| 8 | 28 February 2024 | 11.00-13.00 | Technology Transfer |
| 9 | 6 March 2024 | 11.00-13.00 | Career Perspective |

## Content

**I Lesson – Soft Skills**: Technical skills are the first ingredient for a successful career, but often the competition with others is played on other skills, which are more related to the character of the person. This does not mean owning them or not. A good training action on soft skills will widen their spectrum as well as technical ones.

**II Lesson – Scientific Communication**: A large amount of researcher's work is now devoted to communication. Mostly through posters, slides, papers and reports. We will see what the channels of communication are and how to treat them properly.

**III lesson - Chat, Speech or Talk**: Speaking in public is one of the most complex things, yet we do it every day without being taught. We will see the various types of talk, and what are the rules of good oral scientific communication.

**IV Lesson - Graphics**: It's one of the most time-consuming things: creating the graphics you need for a chart, a slide or a poster. We will see what the rules are to follow in order not to make mistakes.

**V Lesson – Digital Reputation**: Once upon a time, there was a file in every scientist's computer called curriculum. Nowadays, this file is not enough to promote your career. Society is collecting all the information in the biggest database we have ever had, Internet. The care of our digital records can be a fundamental key for our work. The digital reputation of a scientist is defined by his/her behavior in the online environment and by the content he/she posts about him/her self and others. Tips to analyze and control your digital presence will be given.

**VI Lesson – Scientific Curriculum**: The curriculum vitae is a document that summaries your education, skills and experience enabling you to successfully sell your abilities to potential employers. We well review how to write it, how to produce a 1-page CV, and a short bio.

**VII Lesson – Third Mission & Outreach**: Political institutions are now asking us to bring our work to the attention of journalists, citizens and stakeholders. That is why outreach is playing an important role in scientific careers. Organizing a good outreach event needs a little bit of experience and a well-defined project. We will see which the conditions that make the outreach event effective are.

**VIII Lesson – Technology Transfer**: How to move data, designs, inventions, materials, software, technical knowledge or trade secrets from one organization to another or from one purpose to another? The technology transfer process is guided by the policies, procedures and values of each organization involved in the process

**IX Lesson – Career Perspective**. Choosing the right path to pursue a career in industry or academic research after graduation is difficult for every researcher. After completion of successful PhD degree, you have two roads to choose to travel. each path has its own pros and cons.

**There will be a final assessment.**

## Notes
Ph.D. Students interested in the module are required to register at this link:

https://forms.gle/9cxaEXwz5jSA1w57A

## The course will be held ONLY IN PRESENCE.

Info: **Prof. ANTIGONE MARINO -** tel. 081 676342 – antigone.marino@unina.it