

# Professor of Physics

## Onelda BARDHO

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### Skills

#### Mathematics

statistical analysis  
financial mathematics

#### Programming & IT tools

Java  
SQL  
Linux (fedora)  
Windows  
LATEX  
Matlab

#### Office applications

Word  
Excel  
Powerpoint

#### Languages

French (advanced level)  
English (advanced level)  
Albanian (native language)

### Interests

teaching  
traveling  
photography

### List of publications and references on demand

### Work Experience

#### September 2018 - Present, Professor of Mathematics, Grenoble Alpes University, Faculty of Economics, Grenoble, France

- Teaching exercises courses of mathematics in the first and second year of bachelor
- Teaching computer science in the second and third year of bachelor

#### 2013 - 2016, PhD Student, University of Nice Sophia-Antipolis, Nice, France

- Data analyses of X and gamma rays taken from different satellites
- Statistical analysis with Matlab
- Comprehension of physics of gamma ray bursts
- Physics interpretation of the different correlations in the data

#### April - December 2015, Invited Researcher, INAF, Bologna, Italy

- Data analyses of gamma and optical rays
- Comprehension and statistical analysis of correlations in the gamma rays of gamma rays bursts
- Collaboration with the equip of the Instituto Di Astrofisica Spaziale e Fisica Cosmica (IASF), Bologna, Italy

#### July 2013, Observation assistant, Santa Cruz de LaPalma, Spain

- Utilization of the Telescope Isaac Newton (INT) 2.5 m and the Telescope Optic Nordic (NOT) 2.5 m for observation of the galaxy NGC 6585

#### 2010 - 2012, Assistant Professor of Physics, University of Tirana, Faculty of Natural Sciences and Polytechnic University of Tirana, Faculty of Physics and Mathematics Engineering, Tirana, Albania

- Teaching exercises and practical courses of physics for students in the first year of bachelor
- Teaching physics for the high school students

### Formation

- December 2017 – March 2018

**Certification of "Big Data : Récolte et Analyse de Données Volumineuses",**  
CEGEFOS, Paris, France

- January - March 2017

**Web developer - Java, M2I - FAFIEC, Grenoble, France**

- October - November 2016

**Statistical Tools for Data Science**, University of Grenoble Alpes, Grenoble, France

- 2013 - 2016

**Ph.D. in Relativistic Astrophysics**, Observatory of Côte d'Azur, Nice, France

- 2008 - 2010

**Scientific Master in Physics**, University of Tirana, Tirana, Albania