

# Diana Scognamiglio



**Phone numbers:** (+39)3392383279 0817392410

**Email:** wediaaa91@hotmail.it

dia.scognamiglio@gmail.com

**Skype:** diana sco

## EDUCATION AND TRAINING

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03/2019-nowadays

### **PhD project**

Argelander-Institut für Astronomie, Bonn (Germany)

**Title:** “Preparing for weak lensing measurements with the Euclid spaceprobe”

01/2018-03/2019

### **“Spectroscopic follow-up of the brightest massive ultra-compact galaxies selected in the KIDS public survey” project**

Astronomical Observatory of Capodimonte, Naples (Italy)

[C. Tortora, N.R. Napolitano, C. Spiniello, M. Spavone, G. D’Ago, **D. Scognamiglio**]

04/09/2017-16/09/2017

### **2017 NEON Observing School**

La Palma (Spain)

**General content:** Modern telescopes, Optical and Infrared techniques, imaging and spectroscopy

19/09/2015-29/09/2015

### **Scholarship**

Lomonosov Moscow State University

**Subjects:** Cosmology and Astrophysics

09/2014-01/2018

### **Master of Physics**

University of Naples Federico II - Department of Astrophysics

**Title:** “The quest for cosmic strings: astrophysical methods”

09/2010-09/2014

### **Bachelor of Physics**

University of Naples Federico II - Department of Physics 21, Via Cinthia, Complesso Universitario di Monte Sant'Angelo, 80126 Naples (Italy)

<http://www.fisica.unina.it/>

**Title:** “La luce diffusa tra le galassie” (“The intracluster light”)

09/2013-10/2013

**Exchange Student program: “Messaggeri della conoscenza” (“Knowledge Messengers” project)**

Lomonosov Moscow State University  
ul. Leninskiye Gory, 1, 119991 Moscow (Russia)  
<http://www.msu.ru/en/>

**Subjects:** Cosmology and Astrophysics

**WORK  
EXPERIENCE**

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01/08/2015-01/09/2015

**Staff Support**

**Sector:** Accommodation and food service activities  
The Restaurant Group Plc  
Gatwick Airport - North Terminal, Horley, RH6  
0NN (United Kingdom)  
<http://www.gatwickairport.com/at-the-airport/shopping-eating/restaurants/armadillo/>

**PERSONAL  
SKILLS**

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Languages

Italian: mother tongue  
English: professional  
French: basic

Digital competence

Good command of office suite: word processor,  
spread sheet, presentation software  
Good command of LaTeX, SAOIMAGE  
DS9, TopCat, IRAF  
Basic: Python, MATLAB

**ADDITIONAL  
INFORMATION**

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Schools

**Hands-on multi-probe mass measurements in galaxy clusters**[18-21/06/2018]

Physics Department of the University of Milan, Via  
Celoria 16, Milan (Italy)

**PhD School of Astrophysics “Francesco Lucchin”**[23-27/05/2016]

INAF-Osservatorio di Capodimonte, Salita  
Moiariello, 16, 80131, Naples (Italy)

**Russian-Italian School on Astrophysics and Cosmology at Dubna** [13-19/09/2015]

**Presentation:** Cosmic strings: possible candidates on the radio and optical data.

[Sazhina O.S., Scognamiglio D., Sazhin M.V.,  
Safarova K.M.]  
ul. Universitetskaya, 19, 141982, Dubna,  
Moskovskaya oblast' (Russia)

Project	<p><b>Observational activity:</b> “Misura della velocità della luce attraverso l'osservazione dei satelliti Gioviiani” (“Measurement of the speed of light through the observation of Jupiter satellites” A.Y. 2013/14 Tutor: Prof. Maurizio Paolillo</p>
Publication	<p>O. Sazhina, D. Scognamiglio, M.V. Sazhin: <b>Observational constraints on the types of cosmic strings</b>, 2014, EPJ C, 74:2972</p> <p>C. Tortora, N.R. Napolitano et al.: <b>The first sample of spectroscopically confirmed ultra-compact massive galaxies in the Kilo Degree Survey</b>, 2018, MNRAS, eprint arXiv:1806.01307</p> <p>O. Sazhina, D. Scognamiglio et al.: <b>Optical analysis of the CMB cosmic string candidate</b>, 2019, MNRAS, 485, 2</p> <p>D. Scognamiglio, M. Spavone, C. Tortora et al.: <b>New spectroscopically confirmed Ultra Compact Massive Galaxies sample in KiDS</b>, in preparation</p>
Conferences	<p><b>The International Workshop and School “Black and Dark Topics in Modern Cosmology and Astrophysics”</b> [15-22/09/2013] ul. Universitetskaya, 19, 141982, Dubna, Moskovskaya oblast' (Russia)</p> <p><b>Active Galactic Nuclei 12</b> [26-29/09/2016] Conference Center- University Federico II, 36, 80121, Via Partenope, Naples (Italy)</p>
Memberships	<p>Member of the Italian Physical Society [2015-today]</p>
Observing runs	<p>September 2017 (25 hours): La Palma (Spain), NOT and INT (within 2017 NEON School)</p>
Teaching	<p>Teaching duties during the PhD position at AIfA: Optical Astronomy [04/2019-nowadays]</p>