

## AKJDPG 7: Careers in Physics: outside Academia

It is well known that a large percentage of Physics PhD students goes on to, ultimately, occupy a non-academic position. EPS Young Minds wishes to discuss and promote career paths and opportunities of young European Physicists, organising a career event on professional paths beyond Academia.

In the form of a discussion panel, young physicists - master students, graduate students, and post-docs - will have the chance to engage with different speakers through a questions and answers session.

This event offers a diverse view on professional profiles, such as editing and publishing, innovation and creation of a start-up, as well as data science and innovation.

Organised by: Roberta Caruso (EPS Young Minds), Ulrike Ritzmann (EPS Young Minds), Araceli Venegas-Gomez (EPS Young Minds)

Time: Thursday 11:15–12:45

Location: E 020

AKJDPG 7.1 Thu 11:15 E 020

**Career outside Academia** — •MATHIEU GRISOLIA<sup>1</sup>, LUCIA SANTA MARIA<sup>2</sup>, LUIS PRILL SEMPERE<sup>3</sup>, and BENJAMIN SHEARD<sup>4</sup> — <sup>1</sup>Quattrocento, Paris, France — <sup>2</sup>Amazon, Berlin, Germany — <sup>3</sup>TravelXite, Leipzig, Germany — <sup>4</sup>IOP Publishing, Institute of Physics, Bristol, UK

**Spin-Off** — MATHIEU GRISOLIA

Mathieu Grisolia is a Project manager and technology - business analyst at the Quattrocento incubator in Paris France. He graduated in Physics and Mathematics at the Ecole Polytechnique in Palaiseau, and went on to do a double Masters in Condensed Matter Physics at the Ecole Normale Supérieure in Paris and at the Ecole polytechnique. He received his Ph.D. in 2016 from Paris-Saclay University, for graduate work done in the Unité Mixte de Recherche CNRS - Thales, on the emergence of novel behaviour at oxide interfaces. His competences include radio frequency physics, multiferroics, spintronics (TMR, GMR, AMR, ...) and the electronic properties of correlated oxides. Mathieu Grisolia held an Undergraduate Research Assistant position at Columbia University in 2011, and was a Research and Development and Innovation consultant at Areva from 2013 to 2015. He is the laureate of the 2016 gold medal of the Materials Research Society, awarded during the 2016 MRS Spring Meeting.

**Data Scientist** — LUCIA SANTAMARIA

Lucia is a data scientist with background in computational astrophysics, currently working as a machine learning engineer on machine translation at Amazon in Berlin. She's also involved in a project to analyze trends in academic publishing in STEM fields. In the past she's held other data science roles focused on recommender systems, bibliometrics, and named-entity disambiguation, both in the private and public sectors. Previously, she did doctoral and postdoctoral research at the Max Planck Institute for gravitational physics (Albert Einstein Institute) and Caltech. Her academic work concentrated on

the theoretical and numerical modeling of binary black hole sources for the LIGO gravitational-wave detectors, back in the pre-detection era.

**Product Management and Innovation** — LUIS PRILL SEMPERE

Luis works as Chief Product Officer for TravelXite, a start-up from Mallorca, focusing on adapting Salesforce to the needs of rental agencies of luxury homes. Think AirBnB for professionals. Currently TravelXite is promoting its ICO to create a new foundation with the mission to standardize and modernize the tourism market with the help of the blockchain. His studies of physics started in Würzburg and ended at the UT at Austin with some collaboration with Caltech. In parallel Luis was always interested in web development projects. After his PhD on surface plasmon polaritons on gold and silver filled photonic crystal fibres at the Max Planck Society in Erlangen, he tried his luck in the start-up field. Later he worked as an analyst for IT architecture at Senacor and CEO assistant / innovation analyst at ARRI. Until today his private focus remains on finding general solutions to real world problems.

**Publishing** — BENJAMIN SHEARD

Ben has worked at IOP Publishing, UK for 6 years: first as Editor of a number of journals, and recently as Publisher of New Journal of Physics and Journal of Physics Communications. As Editor, he managed the day-to-day peer review process: assessing the suitability of manuscripts, and making publication decisions based on referee and Editorial Board member reports. As Publisher, he manages the overall strategic direction of his journals, working closely with external Editorial Boards to maintain the general quality and standing of the journals. A large part of this role involves topical commissioning of articles and attending conferences to build contacts and track research trends. Before joining IOP Publishing, Ben completed a PhD in experimental ultracold atom physics at the University of Oxford, and an undergraduate physics degree at Imperial College, London.