

## SOE 1: Tutorial and Panel Discussion Scientific Writing

Although the publication of research results is one of the most essential things for being successful in science, for many scientists writing papers can be an exhausting thing. Especially for those who are at the beginning of their scientific career there are many unclear questions concerning the topic "scientific writing". How should the manuscript be written? Which results should be presented in the paper and how? With the help of experienced editors from some of the most important international journals our tutorial will try to demystify the topic and will answer the above and other related questions. A special intention is to provide young physicists with useful information since their chances to learn more about writing scientific publications are usually very rare. Our tutorial is, therefore, divided into two equal parts. In the first our panel guests will give a short introduction to the topic, whereas in the second part we will pick up some particular aspects for a group discussion. This part will also be open for questions from the audience.

Time: Sunday 16:00–18:30

Location: H 0105

**Tutorial** SOE 1.1 Sun 16:00 H 0105  
**Tutorial for authors and referees** — ●HERNAN ROZENFELD —  
 APS Editorial Office. Ridge, NY USA.

In this talk we will start by explaining how editors process a manuscript that is submitted for publication to an APS journal, including a brief overview on how we choose referees. We will show how to write a well-structured manuscript and what is expected in each section and will provide some hints on how to prepare referee reports. After the presentation the audience will be given a chance to ask questions to a panel of editors from different journals.

**Tutorial** SOE 1.2 Sun 16:20 H 0105  
**From submission to publication with IOP journals - a guide for authors** — ●TIM SMITH — IOP Publishing, Bristol, UK

This talk will provide an overview of the editorial process involved in publishing a research paper in IOP journals. Particular focus will be placed on the process of editorially assessing articles for suitability (including referee selection), the expectations of referees in assessing key criteria for publication and tips for authors in preparing a manuscript for submission. Finally I will take a look at Video Abstracts (recently launched by New Journal of Physics) and how these can represent a new option for authors looking to broaden the reach of their work.

**Tutorial** SOE 1.3 Sun 16:40 H 0105

**Preparing and submitting a scientific paper** — ●RACHEL WON  
 — Nature Photonics, Tokyo, Japan

Rachel will talk you through the concept of scientific detailed information and the guidelines on scientific manuscript preparation and submission, as well as an overview on the editorial and peer-review processes. You will learn what editors seek, how to write a good cover letter and a good scientific paper, and how to make an appeal.

**Tutorial** SOE 1.4 Sun 17:00 H 0105  
**Writing to meet expectations** — ●MARK BUCHANAN — 35a West  
 St, Abbotsbury, UK

The human mind isn't a blank slate. Readers come to any scientific paper – indeed, to any piece of writing – with preconceptions, expectations, habits and instincts, some genetically hard wired. Effective communication aligns itself with such instincts, avoiding needless confusion by laying out arguments in a style that meets readers' expectations and works with the human brain, not against it. I'll illustrate these points with examples from scientific papers.

**There will be a panel discussion with all invited speakers after their contributions, chaired by Stefan Hildebrandt (Editor in chief pss-journals).**