



IAU Commission C1 Conference on

# **Astronomy Education: Bridging Research & Practice**

# 2019

## 1st Circular and Call for Papers

**ASTROEDU**  
Astronomy Education Conference

16 to 18th September, 2019  
Monday to Wednesday

ESO, Garching, Munich, Germany

Astronomy  
Education  
Research

Astronomy  
Education  
Standards,  
Curriculum and  
Instruction

Primary and  
Secondary  
Teacher  
Education



[iau-dc-c1.org/astroedu-conference](http://iau-dc-c1.org/astroedu-conference)

# Outline

The field of astronomy education has grown significantly over the last few decades, with an increasing number of research articles having been published by a growing number of academic and practitioner groups. Despite this, there has been no regular international conference place for astronomy education researchers and practitioners around the world to convene and discuss their work in the field. Hence this meeting is intended to be the first of a regular, bi-yearly, IAU Commission C1 Astronomy Education Conference with an aim to increase the quality, quantity, community and impact of astronomy education research and practice.

This conference aims to bring together astronomers, astronomy education researchers and education practitioners to communicate, discuss and tackle common issues. The three key topics span traditional and practical research exploring the purely theoretical to issues encountered attempting to embed research results into practical situations, usually mediated by standards, curriculum and instruction. The conference will also provide an opportunity for the community to discuss the results in astronomy education stemming from the IAU Strategic Plan 2010-2020 and discuss the requirements for meeting the next IAU Strategic Plan goals regarding astronomy education.

The three key topics are subdivided in the following subtopics which cover the most pressing topics in modern astronomy education research and practice:

## Astronomy Education Research

- Research & practice in Astronomy Education
- Innovations in research methodologies and instrumentation
- Surveys of the current state of astronomy education research
- Evaluating approaches for teaching and learning

## Astronomy Education Standards, Curriculum and Instruction

- New trends in Astronomy Education
- Tools, Programmes and Resources in Astronomy education
- Virtual and augmented reality in teaching and learning astronomy
- Curriculum development, literacy, standards and policy
- Authentic research data in astronomy education

## Primary and Secondary Teacher Education

- Designing and implementing training programmes for pre-service and in-service teachers.
- Astronomy-related research experiences for teachers and informal educators.

NOTE: submissions for talks, posters and workshops should, where possible, be accompanied by references and/or how this work builds on these previous work.

### Scientific Organising Committee Co-Chairs

- Paulo S. Bretones (Universidade Federal de São Carlos, Brazil)
- Urban Eriksson (Lund University, Kristianstad University, Sweden)

### Scientific Organising Committee

- Janelle Bailey (Temple University, USA)
- Ian Bearden (University of Copenhagen, Denmark)
- Lars Lindberg Christensen (ESO, Germany)
- Rosa Doran (NUCLIO - Núcleo Interactivo de Astronomia, Portugal)
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### Local Organising Committee Chair

- Wolfgang Vieser (ESO, Germany)

### Local Organising Committee

- Nelma Silva (ESO, Germany)
- Tania Johnston (ESO, Germany)
- Álvaro Caseiro de Almeida (ESO, Germany)
- Lars Lindberg Christensen (ESO, Germany)
- Saeed Salimpour (Deakin University, Australia)

### Editor(s) of Proceedings

- Paulo S. Bretones
- Michael Fitzgerald
- Urban Eriksson

## Important Dates

21 May, 2019	Abstract Submission Deadline Travel Grant Application Deadline
31 May, 2019	Early-Bird Registration Deadline
22 July, 2019	Announcement of Abstracts Announcement of Travel Grants
5 August, 2019	Standard Registration Deadline
12 August, 2019	Full program published

## Call for Papers

Submission of Abstracts for the conference is available now via a form on the conference [website](#)

## Costs

Early bird	EUR 225
Standard Registration	EUR 300


## Travel Grants

Travel Grant Application information will be available soon

If you would like to be kept updated, you can subscribe to the conference mailing list [via the website](#)

## Contact

For more information, feel free to contact via email at: [astroeduconf@iau-dc-c1.org](mailto:astroeduconf@iau-dc-c1.org)

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