



IAU Commission C1 Conference on

Astronomy Education: Bridging Research & Practice

2019

ASTROEDU
Astronomy Education Conference

16 to 18th September, 2019
Monday to Wednesday

ESO, Garching, Munich, Germany

3rd Circular Conference Schedule Released

iau-dc-c1.org/astroedu-conference/#schedule

Janelle M. Bailey
Temple University
Philadelphia, USA

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Brussels, Belgium

Astronomy
Education
Research

Astronomy
Education
Standards,
Curriculum and
Instruction

Primary and
Secondary
Teacher
Education



ESO Supernova

Workshops & Visitor Centre

iau-dc-c1.org/astroedu-conference



Universiteit
Leiden

The Netherlands

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, biennial, 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.

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- Paulo S. Bretones (Universidade Federal de São Carlos, Brazil)
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- Pedro Russo (Leiden University, Netherlands)

Scientific Organising Committee

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- Paulo S. Bretones
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