Materials Education SYMPOSIA

IMES

Cambridge, UK - April 10-11 2025
preceding workshops on April 9th

Early Bird Registration closes January 31st 2025!!

International **Materials Education Symposium**

Call for Abstracts

Submit your abstract
(200-300 words)
for a presentation or a poster to
education@ansys.com

16th December 2024 – Talk Abstract Deadline
17th February 2025 – Poster Abstract Deadline

/ Tentative Session Themes

The Scientific Committee would like to invite participants to share their ideas and experiences relating to **Materials Education** under the following session themes:

- Innovative teaching practices
- Sustainability in the curriculum
- Career preparation
- AI/ML/LLM in materials teaching and assessment
- Social responsibility/outreach in communities
- Teaching of novel and emerging materials
- Inclusive teaching
- Course design, authentic assessment

/ Why attend?

- To **share** ideas, innovations, experiences, successes and failures;
- To **provoke productive discussion** around these issues; and
- To **expand the links** that form such a key feature of the Materials Community.

The symposia foster an **atmosphere of community** amongst educators involved in teaching undergraduate materials science across disciplines including engineering, design, and science.

The symposia events are annual events spread around the world.

IMES 2025 Scientific Committee

Responsible for program (sessions and speakers) and abstract review:

Jess Gwynne, University of Cambridge
Claes Fredriksson, Ansys Academic Program (Secretary)
Paloma Fernández Sánchez
Universidad Complutense de Marid
Joel Galos, California Polytechnic State University
Kathryn Jackson, University of Sheffield
Alison Harvey, University of Manchester

www.materialseducation.com

UNIVERSITY OF CAMBRIDGE

Ansys

/ What's included?

- A packed **speaker program** from a panel selected by the Symposium Scientific Committee; talks cover a wide range of topics related to the teaching of materials in: materials science, manufacturing and processes, mechanical engineering, industrial design, aerospace and nuclear engineering, bio engineering, plastics, and sustainable engineering
- Interactive **discussion** sessions
- **Networking** over lunches and the Symposium Dinner
- Two days of **poster sessions**, with 'Poster Teasers' sessions allowing presenters to briefly introduce their work in the main lecture theater
- Other activities including an invitation only **Presenters' dinner**, materials education **workshops** and **development meetings**.

Join us for dinner in one of the historic Cambridge University dining halls.

Exchange ideas with colleagues from around the world

"This has been an incredibly useful meeting – one of the best I have ever attended"
Dr. John Long, Deakin University

"A must for all serious materials educato
William Callister (Ut

/ The Symposia philosophy

Materials have played an enormous part in the technology advances of the 20th century. Emerging structural, functional, and bio-materials are poised to play an even larger part in the technology of the 21st century. Almost all the "Grand Challenges" identified as the essential technological and social advances for the next three decades have a material dimension. The part materials play in global and national economics and security is, today, so important that governments list the materials they perceive as "critical" and seek to assure access and to identify substitutes or alternatives should their supply chain be disrupted. For these (and many other) reasons, the education of materials-literate engineers and of informed and innovative materials scientists is essential for economic development and growth.

The Symposia are now firmly established in the calendar as a leading venue for the university-level materials education community to come together to discuss ideas, tools, and best practices relating to the teaching of materials across engineering, design, science and sustainability.