



International Materials Education Symposium



Call for Abstracts

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

Deadline: Dec 5th 2022

IMES 2023 Scientific Committee

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

Graham McShane, Cambridge University (Chair)
Claes Fredriksson, Ansys Academic Program (Secretary)
Robert Heard, Carnegie Mellon University (USA)
Paloma Fernandez Sanchez, Universidad Complutense

Madrid (Spain) **Kathryn Jackson**, University of Sheffield (UK)

Oct 3rd: call for abstract and registration

Dec 5th: abstract deadline for presentations

Dec 19th: final program

Important Dates

Jan 16th: "Early Bird" registration deadline and abstract deadline for posters

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.

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:

- Sustainability and energy
- Design and simulation
- · Teaching innovation
- Specialist and emerging disciplines



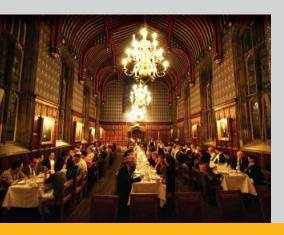




/ What's included?

- 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 educators" William Callister (Utah)

/ 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 and many of these intersect with the UN Global Sustainability Goals (UN SDG's). 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.

