



**Curio: Cutting Edge Science and Innovation Research Seminar Series for Teachers, Careers Advisors, Technicians and STEM Ambassadors**

Excellent opportunity to improve subject knowledge on cutting edge science and engineering research from senior researchers across the UK. This short seminar series gives STEM teachers and careers leads an opportunity to hear from leading academic and industrial researchers about their work, its relevance today and for the societies of tomorrow.

The seminars will also highlights the different careers in research and routes into them through the speakers own journeys. For more details and to book follow the links below.

**DATE & TIME:** Thursday 29 April 2021: 15.15 - 16.00

**TITLE: “Making Noise about Sound”**

**OUTCOMES:**

- Improved subject knowledge on the role of sound and vibration in our lives and the associated technological advances.
- Understanding of research and careers in acoustics.

**SUMMARY:**

Short seminar from University-based, industry-facing underwater acoustics researcher, Dr Nikhil Mistry (MEng PhD MIOA), highlighting various applications of acoustics research, including recent advances and current projects. Links will be made between careers, research and school curricula.

**AUDIENCE:** Teachers, School Career Advisors, Technicians,

**CPD TYPE:** Remote via MS Teams (link will follow after registration)

**Booking Link:** <https://www.stem.org.uk/cpd/496121/curio-cutting-edge-science-and-innovation-research-seminar-%E2%80%93-making-noise-about-sound>

**DATE & TIME:** Wednesday 26 May 2021: 15.15 - 16.00

**TITLE: “Material Science and Engineering in the Aerospace Sector”**

**OUTCOMES:**

- Improved subject knowledge on materials science and materials engineering research in the aerospace industry.
- Understanding of careers in aerospace industry research.

**SUMMARY:**

Short seminar from industrial researcher, Dr James Myers, on materials used in the aerospace industry – why do we build planes out of the materials we currently use and what will future aeroplanes be made of? Also a snapshot of James’s career route to becoming Head of Research and Development at a global chemical manufacturer.

**AUDIENCE:** Teachers, School Career Advisors, Technicians,

**CPD TYPE:** Remote via MS Teams

**Booking Link:** <https://www.stem.org.uk/cpd/496145/curio-cutting-edge-science-and-innovation-research-seminar-%E2%80%93-material-science-and>

**DATE & TIME:** Wednesday 30 June 2021: 15.15 - 16.00

**TITLE: ““Discovering Dementia””**

**OUTCOMES:**

- Improved subject knowledge on the mechanisms underlying dementia.
- Understanding of research in dementia and the ways to approach it.

**SUMMARY:**

Short seminar from University-based dementia researcher, Dr Aitana Sogorb-Esteve (PhD), explaining the underlying molecular mechanisms of dementia and how researchers support clinicians helping people with dementia.

**AUDIENCE:** Teachers, School Career Advisors, Technicians,

**CPD TYPE:** Remote via MS Teams

**Booking Link:** <https://www.stem.org.uk/cpd/496153/curio-cutting-edge-science-and-innovation-research-seminar-discovering-dementia>

