

ANNUAL BMED PRESTIGE LECTURE LIVING MATERIALS

Institution of
**MECHANICAL
ENGINEERS**

19 June 2018
One Birdcage Walk,
London



Hands of X

FREE AND OPEN TO ALL

PRESENTED BY:

Mark Miodownik, Professor of Materials & Society
University College London

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Lecture
Biomedical Engineering Division

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19 June 2018

WHATEVER PEOPLE THINK ABOUT THE RAPID PACE OF TECHNOLOGICAL CHANGE IN THE PAST, THE FUNDAMENTAL ARRANGEMENT OF MATERIALS ON THE PLANET HAS NOT RADICALLY ALTERED.

There are living things that we call life, and there are non-living stuff which we call rocks, tools, buildings and so on. As a result of our greater understanding of matter, this distinction is now becoming blurred and is likely to usher in a new materials age: bionic people with synthetic organs, bones and even brains will be the norm.

Just as we become more synthetic, so our man-made environment will change to become more lifelike, living buildings, and objects that heal themselves are becoming a reality. This lecture will feature Mark Miodownik, Professor of Materials & Society, University College London using his current EPSRC funded projects as case studies to examine the issues of bridging this gap between animate and inanimate materials.



MARK MIODOWNIK, PROFESSOR OF MATERIALS & SOCIETY
University College London

Mark Miodownik is the UCL Professor of Materials & Society. He received his Ph.D in turbine jet engine alloys from Oxford University, and has worked as a materials engineer in the USA, Ireland and the UK. For more than fifteen years he has championed materials science research that links to the arts and humanities, medicine, and society. This culminated in the establishment of the UCL Institute of Making, where he is a director and runs the research programme. Mark is also the multi-award winning author of the book *Stuff Matters* and regularly presents BBC TV and radio programmes on materials science and engineering. In 2014 he was elected a fellow of the Royal Academy of Engineering. In 2018 he was awarded an MBE for services to materials science, engineering and broadcasting.

OTHER EVENTS TO LOOK FOR:



THE HEALTHCARE TECHNOLOGIES STUDENT AND EARLY CAREER AWARDS 2018

19 June 2018, London

Attend this event to find out which of our invited finalists will win in one of the three award categories. The competition will be followed by the Annual BmED Prestige Lecture.

ENGINEERING THE KNEE 2018

10–11 December 2018, London

Address challenges facing the treatment of knee pain, disease and trauma. This two-day event will provide a forum to showcase innovation and discuss the latest research in the field.

PROGRAMME

- 17:30** Registration
- 18:00** Lecture begins
- 18:40** Q&A
- 19:00** Close of Lecture

FOR MORE INFORMATION:

VISIT: www.imeche.org/livingmaterials

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