

# Advanced Materials for Fabrication

*applications and processes*

**MANCHESTER, UK**  
30 March - 1 April 2020

**CALL FOR PAPERS** SUBMISSION DEADLINE  
9 December 2019

## 3 DAYS 2 TRACKS

**Day 1: Degradation of Materials** and IoP Printing & Graphics  
Science Student Conference

**Day 2: Advanced Materials** and **Materials for Additive Manufacturing**

**Day 3: Advanced Materials** and **Materials for Security Printing**

### Degradation of Materials

Circular economy: recycling, conservation, display, secure documents  
Degradation of materials in emerging and existing applications  
Photograph conservation, display, and storage

### Advanced Materials

Biomaterials / Bioelectronics / Bio-applications  
Use cases

### Additive Manufacturing

Breadth of materials deployed for AM, from biological to metallic and ceramic

### Security Printing

Materials for physical documents  
Novel characteristics required for security applications  
Substrates, ink components, and materials for optical features and detection  
Challenges in dispensing / printing these materials in a secure print process

## SPONSORS / PARTNERS



**IOP** Institute of Physics  
Printing and Graphics  
Science Group

**UKIERI**  
UK-India Education  
and Research Initiative

## KEYNOTE SPEAKERS



**Julie Gough**  
Professor, Biomaterials and  
Tissue Engineering,  
University of Manchester



**Rylie Green**  
Reader,  
Polymer Bioelectronics,  
Imperial College London



**Ian Bruce**  
Director, NIHR  
Manchester Biomedical  
Research Centre,  
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## COMMITTEE

General Chair:  
*Dr. Leszek Majewski, University of Manchester*

Program Leads:  
Degradation of Materials  
*Dr. Rita Hofmann-Sievert, Bern University of Applied Sciences*

Advanced Materials  
*Dr. Alex Casson, University of Manchester*

Materials for Additive Manufacturing  
*Dr. Brian Derby, University of Manchester*

Materials for Security Printing  
*Dr. Alan Hodgson, Alan Hodgson Consulting Ltd.*



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