

# 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



### 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,  
University of Manchester

### 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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