

AMRC /
ADVANCED MANUFACTURING
RESEARCH CENTRE



The
University
Of
Sheffield.



2nd CIRP Conference

on Composite Material Parts Manufacturing

10th to 11th October, 2019 – Sheffield, UK



amrc.co.uk/cirp-ccmpm2019

CATAPULT
High Value Manufacturing

MANCHESTER
1824
The University of Manchester



We are delighted to invite you to the 2nd CIRP Conference on Composite Material Parts Manufacturing (CIRP CCMPM)

This conference offers a tremendous opportunity for experts spanning from academia to industry in the field of composite material parts manufacturing to present and discuss their findings on a very high level, stimulating and supporting the knowledge in this field.

The aim of the conference is to bring together and share novel production research, technologies and solutions throughout the global composite manufacturing community in the areas of 'Design & Lifecycle', 'Part Generation' and 'Finishing & Assembly'.

Looking forward to meeting you at the AMRC on 10th to 11th of October 2019.

Topics

The scientific program will cover formal sessions devoted to, but not limited to:

Design & Lifecycle

- Composite recycling and sustainability
- Composite characterisation methods
- Part modelling, fiber matrix interaction
- Structural analysis and optimisation
- Part design technology
 - structural reliability
- Smart structure design
 - multifunctional composites
- Multi-functional composite parts
- Lightweighting

Part Generation

- Manufacturing technologies
- Preforming and handling technology
- Automation and digital twin
- Quality control and process monitoring
- Manufacturing process optimisation
- Integrated composite structures
- 3D composite manufacturing

Part Finishing & Assembly

- Modelling of post processing
- Post processing technology
- Part finishing technology
- Finishing and assembly structural monitoring
- Joining technology
- Digital assembly
- Part machining quality management
- NDT and in process inspection of composites
- Machinability
- Non-conventional machining

Book your place online at: amrc.co.uk/cirp-ccmpm2019



Scientific Committee

Dr Hassan El-Dessouky, UK
Prof. Paul Mativenga, UK
Prof. Dirk Biermann, Germany
Prof. Friedrich Bleicher, Austria
Dr Alessandra Caggiano, Italy
Prof. Costantinos Soutis, UK
Prof. Gerard Poulachon, France
Dr Yigit Karpaz, Turkey
Prof. Hans-Christian Möhring, Germany
Prof. Dimitris Mourtzis, Greece
Prof. Peter Schubel, Australia
Prof. Berend Denkena, Germany
Prof. Ramesh Talreja, USA
Prof. Remko Akkerman, Netherlands
Prof. John Summerscales, UK
Dr Terry McGrail, Ireland
Prof. Amal Esawi, Egypt
Dr Kevin Kerrigan, UK
Prof. Richard Day, UK

Prof. Steffen Ihlenfeldt, Germany
Prof. Patrick Fairclough, UK
Prof. António Torres Marques, Portugal
Prof. Wolfgang Hintze, Germany
Prof. Roberto Teti, Italy
Prof. Jürgen Fleischer, Germany
Dr Alistair McIlhagger, UK
Prof. François Boussu, France
Prof. Konrad Wegener, Switzerland
Dr Jose Outeiro, France
Dr Rachid M'Saoubi, Germany
Prof. Helmi Attia, Canada
Prof. Parik Gowasmi, UK
Prof. Garret O'Donnell, Ireland
Prof. Vadim Silberschmidt, UK
Dr Dan Kells, UK
Prof. Hassan El-Hofy, Egypt
Dr Jamal Ahmed, UAE
Prof. Ken Kendall, UK

Deadlines

Abstract due:	1st March 2019
Notification of abstract acceptance and invitation for full paper submission:	15th March 2019
Full paper submission deadline:	17th May 2019
Final submission of revised paper (if required):	12th July 2019
Notification of final acceptance:	9th August 2019

Publications

For details on abstracts and full paper submissions please visit the conference website.
 Full papers will be published in EES Procedia CIRP (<http://ees.elsevier.com/procir>),
 available online at: **www.sciencedirect.com**

Book your place online at: amrc.co.uk/cirp-ccmpm2019

Conference Committee

Conference Chair:

Dr Kevin Kerrigan

Conference Co-chairs:

Prof. Paul Mativenga

Prof. Keith Ridgway

Honorary Co-chairs:

Prof. Roberto Teti

Prof. Jürgen Fleischer

Scientific Committee Chairs:

Dr Hassan El-Dessouky

Prof. Paul Mativenga

Local Organising Committee Chair:

Richard Scaife

How to find us

The event will be held at:

The AMRC Knowledge Transfer Centre (KTC)

Advanced Manufacturing Research Centre

Brunel Way, Catcliffe, S60 5TZ, UK.

See location map

Conference Secretariat

For further information and accommodation details please visit the conference website or contact **Kylie Wheeler**:

email: **cirp-ccmpm2019@amrc.co.uk**

Registration

Book your place online at **amrc.co.uk/cirp-ccmpm2019**

	Early bird fees (Before 02.09.2019)	Regular fees (02.09.2019 – 09.10.2019)	Onsite fees
Participants / Author registration fee	£550	£600	£700
Student / Student Author registration fee	£450	£500	£550
Accompanying Person participation fee	£250	£300	£350



Venue: The conference will be hosted by the University of Sheffield Advanced Manufacturing Research Centre.

The AMRC is a network of world-leading research and innovation centres, transforming industrial and economic performance by making step changes in productivity, increasing competitiveness, developing new products and processes and training new talent and skills. Sheffield is a city with real character, bursting with energy and ideas. Just two hours from London, Sheffield is extremely accessible by international airports.