IRC2019

Innovations in Elastomeric Materials & Products

3-5 September 2019
Kia Oval, London, UK

www.irc2019.org

@IRC2019

CALL FOR PAPERS

International Rubber Conference Organisation

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will present a full and varied technical programme of original papers reflecting current research and development within the rubber industry.

To submit a paper and view submission guidelines go to www.irc2019.org and follow the call for papers link

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Deadline for the submission of abstracts
1 March 2019

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Deadline for early bird registration
30 June 2019

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Attendee registration will open
1 January 2019

Questions regarding IRC2019 or the submission of papers please contact Melanie Boyce, Head of Events
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Sponsorship & exhibition opportunities please contact Kate Harrison, Sales and Marketing Director
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The IRC2019 technical committee welcomes the submission of paper abstracts that discuss innovations in elastomers related to:

Applications from a wide range of sectors including:
- Tyre
- On road and off road vehicles including the novel challenges of electrical drive systems
- Aerospace, rail, marine and defence
- Mining, mineral extraction, oil and gas
- Biomedical and healthcare
- Agriculture
- Sport, leisure and consumer products
- Energy generation including nuclear
- Other novel emerging applications

Material developments including:
- Polymers with a focus on novel or speciality elastomers, elastomers for extreme conditions, thermoplastic elastomers, functionalised elastomers, self-healing elastomers and elastomer foams and gels
- Fillers and additives including nanoscale or functionalised fillers

Material processing including:
- Additive manufacture
- Cure chemistry and kinetics

Sustainability including:
- Bio-derived materials and materials recycling
- REACH and health and safety

Modelling including:
- Constitutive modelling of the materials and product design
- Process modelling and optimisation
- Systems design

Characterisation and testing of materials and products including:
- Thermal and viscoelastic behaviour
- Failure mechanisms including ageing, fatigue and chemical degradation
- Lifetime prediction

Smart materials including:
- Sensing and actuation
- Electro active polymers
- Soft robotics
- Intelligent traceability in products