

# **Beyond Nickel-Based Superalloys II**

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**Sunday, July 17, 2016**

16:30 – 18:00	Registration (Garden Room, Gillespie Centre)
18:00 – 19:00	Welcome Drinks (Scholar's Garden)
19:00 – 20:30	Dinner (Great Hall)
20:30	College Bar opens

***NOTES***

- Technical and Poster Sessions as well as lunches and breaks will be held in The Gillespie Centre.
- Dinners and breakfasts will be in the Great Hall.
- Audiotaping, videotaping and photography of presentations are prohibited.
- Speakers – Please leave at least 5 minutes for questions and discussion.
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## **Monday, July 18, 2016**

07:00 – 08:45      Breakfast

08:45 – 09:00      **Introduction**  
Conference Chair: Howard Stone, University of Cambridge, United Kingdom  
ECI Liaison: Ram Darolia

### **General** (Chair: Bernard Bewlay)

09:00 – 09:20      **Search for materials beyond the capabilities of Ni-based Superalloys: A partial journey .....1**  
Ramgopal Darolia, GE Aviation (Retired), USA

09:20 – 09:40      **Navy research for materials beyond Ni- Superalloys .....2**  
David A. Shifler, Office of Naval Research, USA

09:40 – 10:00      **Potential for material systems beyond Superalloys .....3**  
Neil Jones, Rolls-Royce plc., USA

10:00 – 10:20      **Plasticity of hard and brittle materials at micron-meter size scales .....4**  
Haruyuki Inui, Kyoto University, Japan

10:20 – 10:50      Coffee / tea break

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11:30 – 11:50      **Mo-9Si-8B alloys with additions of Zr – microstructure and creep properties .....14**  
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11:50 – 12:10      **Effect of W substitutions on the phase stability and oxidation behaviour of Mo-Si-B alloys .....28**  
Mufit Akinc, Iowa State University, USA

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Peter Marshall, Imaging Systems Technology, USA

12:30 – 14:00      Lunch

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- 19:00 – 20:30      Dinner
- 20:00 – 22:30      Live Entertainment (Guitarist)
- 20:30                College Bar opens

## **Tuesday, July 19, 2016**

07:30 – 09:00 Breakfast

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20:00 – 22:30      Live Entertainment (Band)

20:30              College Bar opens

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