



# International Workshop on Mechanistic Behaviour of HCP Alloys

30<sup>th</sup>, 31<sup>st</sup> March and 1<sup>st</sup> April 2016

University of Oxford, Pembroke College, UK



We are hosting an international workshop focussed on discussing the latest insight and developments in understanding the high value and important hexagonal close packed family of materials. This workshop will be hosted in Oxford and will contain a range of high quality technical presentations, focussed discussion sessions, a vibrant and exciting poster session. We look forward to welcoming friends, colleagues, experts and collaborators from industry and academia.

## Scientific Objectives

This workshop will draw together industrial and academic experts from across a variety of disciplines, including materials science and engineering, mechanical engineering, non destructive testing, and high rate deformation. We will be exploring microstructure-performance-property relationships and their impact on engineering components in industries such as aerospace, nuclear power, and transport. We have scheduled in significant discussion sessions, including some led by industrial experts, to enable this workshop to build on successes so far and explore the next stage of international scientific research in this exciting field.

## Main Topics

- Experiments & simulations of deformation in HCP alloys across time and length scales
- Non destructive testing & innovative characterisation strategies
- High rate deformation & foreign object damage
- Engineering with HCP alloys

## Keynote Speakers

Keynote talks:

- Bill Curtin, EPFL, Lausanne, Switzerland
- Michael Mills, Ohio State University, Ohio, USA
- Rusty Gray, Los Alamos National Lab, New Mexico, USA

Industrial Led Discussion Sessions:

- HCP in Nuclear—Javier Romero (Westinghouse, South Carolina, USA) & Ted Darby (Rolls-Royce, Derby, UK)
- HCP in Aero—David Rugg (Rolls-Royce, Derby, UK) & Steve Fox, Timet, Nevada, USA)

## Contributed Talks & Posters

We are soliciting abstracts for 20 minute contributed talks, which will be grouped into 1hr sessions followed by a 20 minute focussed discussion period.

We are also soliciting abstracts for the poster session and will be awarding a poster prize at the banquet dinner.

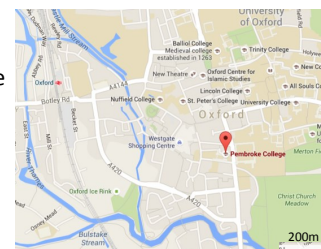
Please submit abstracts by 14th December via the workshop website.

## Location & Venue



The workshop will take place in Pembroke College, Oxford. Pembroke college is located in central Oxford, near the city centre. Oxford has excellent road and rail links and

is not far from London. An airline coach service runs from Heathrow and Gatwick to Oxford. And the National Express service runs from London Stansted via Luton airport to Oxford.



## Workshop Outline

- March 30<sup>th</sup>: Registration, talks & discussions, drinks & posters session, and welcome banquet dinner
- March 31<sup>st</sup>: Talks & discussions, drinks & poster session and dinner
- April 1<sup>st</sup>: Talks & discussion



## Registration and Fees

Workshop fee only	£210
Workshop fee + Pembroke accommodation & breakfast	£360

The workshop fee includes participation in all sessions, coffee breaks, lunch, drinks, dinner and the welcome banquet dinner (March 30<sup>th</sup>). Extra nights accommodation are available on request (@ £75 per night)

Please be advised payment is by card only. Registration and payment can be made via the workshop website

## Contact

Email Dr Saira Naeem (HexMat Programme Grant Manager ) for further information: [s.naeem09@imperial.ac.uk](mailto:s.naeem09@imperial.ac.uk)

For further information, please visit:  
<http://www3.imperial.ac.uk/hexamat>