

THE CONTOUR METHOD

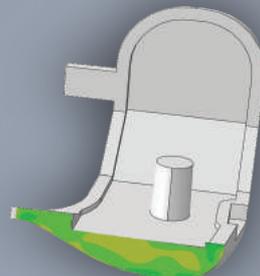
THE 3RD BIENNIAL SEMINAR AT THE OPEN UNIVERSITY



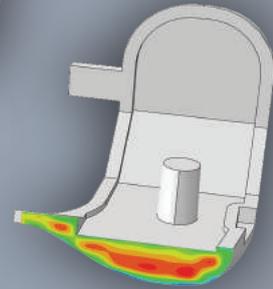
The Open
University



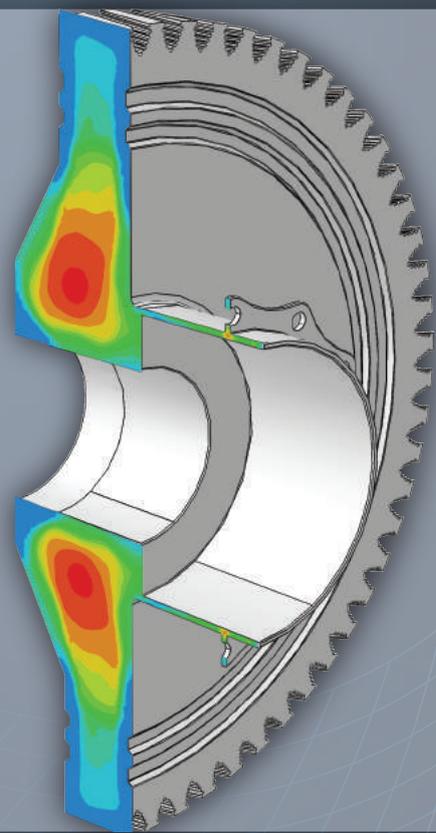
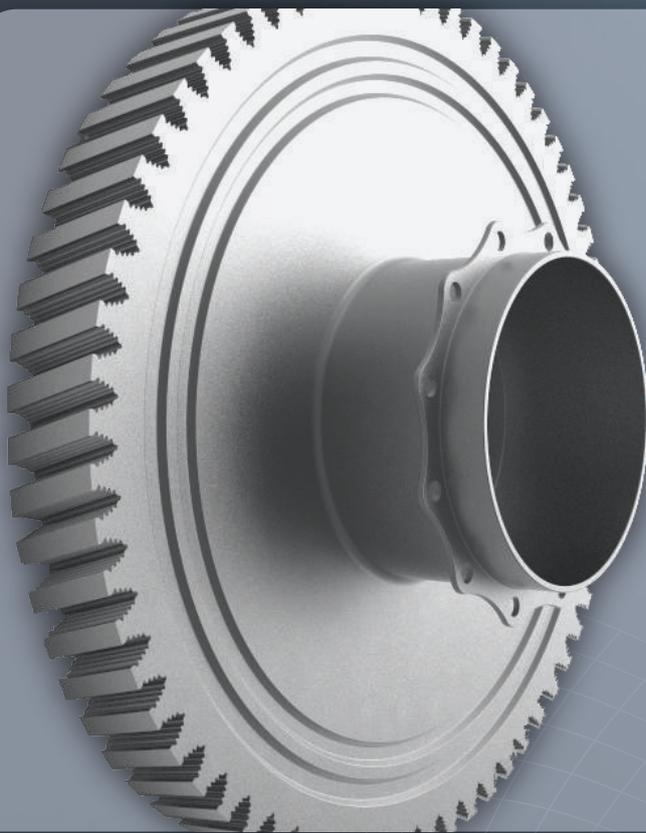
Femoral implant



As-cast



Shot-peened



Wednesday 15th June 2016

VENUE: Berrill Lecture Theatre, The Open University,
Walton Hall, Milton Keynes, MK7 6AA, UK

SEMINAR FEE: £120, students £60

REGISTRATION: MCT-EI-Events@open.ac.uk
+44 (0)1908 659271
<http://mct.open.ac.uk/ContourMethodSeminar2016>

THE CONTOUR METHOD

THE 3RD BIENNIAL SEMINAR AT THE OPEN UNIVERSITY



The Open
University

The Open University is leading research in Europe developing the Contour Method of residual stress measurement.

This is the 3rd Contour Seminar, a follow up of our successful seminars in 2012 and 2014. The aims of this seminar are to disseminate the latest research in the field to academia and industry and to provide a forum for discussion by bringing together leading researchers, contour method practitioners and those interested in applying the technique or interpreting its results.

We are delighted to welcome three keynote speakers; Dr Mike Prime of Los Alamos Laboratories who invented the Contour Method, Professor Mike Hill of the University of California Davis and director of Hill Engineering, LLC and Dr Pierluigi Pagliaro of General Motors Powertrain Europe S.r.l.

Programme

- 9:30 **Registration, Tea/Coffee**
- 10:15 **Welcome:** Professor Anne de Roeck (Executive Dean)
- 10:25 **Introduction:** Professor John Bouchard
- 10:40 **Keynote lecture:** Contour method basics: Dr Mike Prime
- 11:10 Data analysis case study: Mr Jeferson Araujo de Oliveira
- 11:40 **Keynote lecture:** Multiple cuts & multiple methods: Dr Pierluigi Pagliaro
- 12:10 Improving spatial resolution: Professor John Bouchard
- 12:45 **Lunch**
- 13:45 Applications: Dr Sanjooram Paddea
- 14:15 **Keynote lecture:** Contour method errors: Dr. Mike Prime
- 14:45 New cutting strategies to control plasticity:
Dr Foroogh Hosseinzadeh & Dr Ondrej Muránský
- 15:15 **Tea/coffee**
- 15:45 **Keynote lecture:** Biaxial residual stress mapping by combining
contour and slitting: Professor Mike Hill
- 16:15 **Open Discussion**
- 16:45 **Tour of Laboratories:** Contour method equipment



Dr Mike Prime, Los Alamos National Laboratory, US
Professor Mike Hill, Professor of Mechanical and Aerospace Engineering, University of California Davis, US
Dr Pierluigi Pagliaro, General Motors Powertrain Europe S.r.l.

