

**SEMINAR NEW NON-CONTACT MEASURING INSTRUMENTS**  
**Tuesday February 28th & Wednesday 1st of March (10:30 –17:00)**

**3D Micro & Nano Laser Scanners for CAD Data Comparison & Reverse Engineering**

**Surface Texture, Profiling & Roughness Measurements ISO 25178**

**Date:**

Tuesday February 28th & Wednesday 1st of March (10:30 –17:00)

**Sponsor:**

MITAKA KOHKI JAPAN

**Organiser:**

SHARED LABS EUROPE LTD

**Location:**

Faculty of Engineering - University Park – Nottingham NG7 2RD

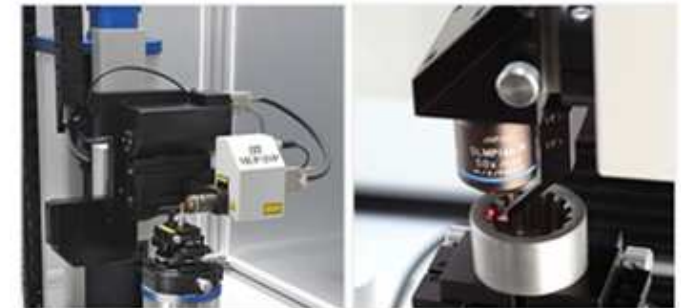
Department of Mechanical, Materials and Manufacturing Engineering

Tower Building ,Floor 11<sup>th</sup>- Room N.15 – From 10:30 to 12:00

George Green Library Building, Floor A - Room N.04  
From 12:00 – to 17:00



**MITAKA PF-60**



**MITAKA MLP-3**

## SEMINAR NEW NON-CONTACT MEASURING INSTRUMENTS

### Tuesday February 28th & Wednesday 1st of March (10:30 –17:00)

#### Topic:

The Two days will be focused on the Presentation of New Advanced Non-Contact Metrology Instruments in Europe: The 3D Laser Probe Autofocus PF-60 And The All-Round & Form Laser Scanner MLP-3 Mitaka Kohki.

Specific Applications of Surface Texture, Profiling, Roughness and Micro Nano Measurements will be presented by The Mitaka Kohki Engineers and The Nottingham University Metrology Team.

High Complexity Inspections & Latest Areal Surface Texture Measurement Methods through the Most Powerful Non-Contact Measuring Instruments Capable of 3D Scanning, Advanced Profiling, Roughness Measurements, CAD Data Comparison & Reverse Engineering.

#### Measurements Topics:

- Surface Texture, Profiling & Roughness Measurements
- Micro-holes of transparent polymers
- Jet-printed silicon (transparent) polymer
- Prostheses and Medical implants coated with thin layers
- Lenses - Transparents & Very shiny Surfaces
- Diffractive Mirror Surfaces
- Free Form Optics Measurements
- Inner/Outer Contour Measurements & 3D CAD Comparison  
Automotive/Aerospace Industries
- Micro Gears
- Plastic Gears
- Precision grinded Gears
- All - Round Measurements of complex Forms & Roundness
- Measurements of Glass Spheres & Gold Wires
- Micro Scanning , Reverse Engineering, CAD/CAM processing for Micro-Prototyping and Micro Manufacturing





**SEMINAR NEW NON-CONTACT MEASURING INSTRUMENTS**  
**Tuesday February 28th & Wednesday 1st of March (10:30 –17:00)**

**Program Tuesday 28<sup>th</sup> February :**

**10.00 – 10.30**

Registration / Free Admission

**10:30 – 10:35**

Welcoming & Presentation – Speaker : Dr. Syam Wahyudin The University of Nottingham

**10:35 – 11:10**

Speaker: Professor Richard Leach ISO/TC213 Expert , The University of Nottingham

- Surface Texture Parameters and Measurement Methods
- ISO 25178-2 Terms, Definitions and Areal Surface Texture Parameters
- ISO 25178-3 Specification Operators
- ISO 25178-6 Classification of Methods for Measuring Surface Texture

**11:10 – 12:00**

Introduction of the New Non-Contact Measuring Instruments

- Divide in 3 Groups and Visit 3 booths with Different Measuring Instruments
- Samples Collection, Directly Hand In the Samples for those who join The Afternoon Session

**12:00 – 13:30**

Lunch & Coffee/Tea Time



**SEMINAR NEW NON-CONTACT MEASURING INSTRUMENTS**  
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**13:30 – 14:00 Measurement Methods of Areal Surface Texture**

*Speaker: Dr Syam Wahyudin, The University of Nottingham*

- **ISO 25178-604 Coherence Scanning Interferometry**
- **ISO 25178-606 Focus Variation**
- **Introduction of Mitaka Kohki Autofocus Profiling Laser Probe**

**14:00 -14:20 Mitaka Kohki Company Profile**

*Speaker: Ms Atsuko Nose, Mitaka Kohki Japan*

**14:20 – 15:00 ISO 25178-605 Point Autofocus Profiling**

*Speaker: Mr Katsuhiko Miura, Mitaka Kohki Japan*

**15:00 – 15:15 Coffee/Tea Time**

**15:15 – 15:40 Applications of Point Autofocus Profiling**

*Speaker: Dr Xiaobing Feng, the University of Nottingham*

**15:40 – 16:00 Applications of Point Autofocus Profiling**

*Speakers: Mr Mario Brecciaroli Shared Labs Europe / Dr. Gabriele Allegri University of Brescia Italy*

**16:00 – 17:00 Discussion & Test Measurements of The Participants**

*Program Host: Mr Alessandro Brecciaroli, Shared Labs Europe*



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**Program Wednesday 1<sup>st</sup> of March:**

**10:30 – 16:00 - Open Day Lab**

The Participants are Welcome to Visit The Metrology Lab of The University of Nottingham to get to see and try The New Non- Contact Measuring Instruments for Surface Texture, Profiling and Roughness Measurements.

The Participants are welcome to bring their Samples for Scanning Test Measurements & Reports.

To Book your Partecipation please Email: [alex@sharedlabseurope.com](mailto:alex@sharedlabseurope.com)

Alternatively You Can Call:+44 7462 80 58 20-Alessandro Brecciaroli SHARED LABS EUROPE

For more information about the Mitaka Equipments: <http://www.sharedlabseurope.com/home>