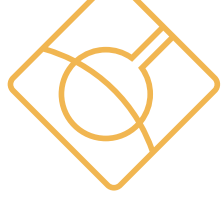


A network graphic background consisting of a grid of white dots connected by thin white lines, forming a complex web of triangles and polygons. The background color transitions from a dark blue at the top to a bright orange at the bottom.

20 **Metromest** ANNIVERSARY

Bilbao • April 10th - 12th • 2024

www.metromest.org



10 April Abril

08:30 - 09:00 Registration + Coffee

09:00 - 09:10 OPENING

09:10 - 11:30 KEYNOTE 1

The automation of metrology, a unique opportunity towards agile manufacturing
Toni Ventura-Traveset | Datapixel, Spain

11:30 - 12:00 Coffee Break + Metrolab Innovalia Metrology

12:00 - 13:30 TRACK 1 · Digital Transformation

12:00 - 12:45 Cognitive Digital Twin
Dimitris Kiritsis | University of Oslo, Norway

12:45 - 13:30 MDO-E manufacturing digital ontology editor. A new approach to integrate Material, Process, Function and Quality in the Mfg area
Claudio Turrin | Sam Software, Italy

13:30 - 15:00 Lunch

15:00 - 17:15 TRACK 2 · Advances in Calibration

15:00 - 16:30 New Dimensions in Metrology: Digital Calibration Certificates and Dynamic Vision Imaging
Thomas Engel | Siemens AG, Germany

16:30 - 17:15 Determination of the error approximation function in the calibration of digital measuring instruments used in metrology of length
Adriana Vălcu | Romanian Measurement Society (RMS), Romania
Adela Călin | University of Medicine and Pharmacy Timisoara, Romania

17:15 - 18:00 SPECIAL SESSION

17:15 - 18:00 Explore3DM: Content generation as it supports the outreach element of the UK's Royal Academy of Engineering
Stephen Kyle | University College London (UCL), UK

20:30 - 23:00 Conference Banquet · Sociedad Bilbaina

11 April Abril

08:30 - 09:00 Registration

09:00 - 11:00 TUTORIAL

Verification of Machine Tools: systems, approaches and some mathematical modelling
José A. Yagüe | Universidad de Zaragoza, Spain

11:00 - 11:30 Coffee Break + Metrolab Innovalia Metrology

11:30 - 13:45 TRACK 3 · Industrial Metrology Applications

11:30 - 12:15 5axis on machine metrology for metal AM, by means of contact and Optical 3d scanning
Ainhoa Etxabbarri | Innovalia Metrology, Spain

12:15 - 13:00 Wind Farm Jacket Fitting Automation
Andrea Pellegrino | GEATOP sri, Italy

13:00 - 13:45 Sensitivity analysis of structured light systems based on VDI/VDE 2634-2 and ISO 10360-13 Performance Evaluation Tests
Octavio Icasio | Centro Nacional de Metrología (CENAM), Mexico

13:45 - 15:30 Lunch

15:30 - 17:00 KEYNOTE 2

The ISO 10360-13 Standard and its Implementation
Edward Morse | University of North Carolina Charlotte (UNCC), USA

17:00 - 18:00 CLOSING UP · ROUND TABLE

*The organization reserves the right to reschedule, add or cancel presentations.

*La organización se reserva el derecho a modificar horarios, añadir o cancelar presentaciones.

Metromeet and Wine 12 April Abril



To celebrate the 20th edition of Metromeet you can enjoy a third day in which you will learn about the automation of measurement systems while discovering the most magical corners of a typical Spanish winery. In addition, we will end the day with a very special talk by a surprise speaker.

Para celebrar la 20ª edición de Metromeet podrás disfrutar de un tercer día en el que aprenderás sobre la automatización de sistemas de medición mientras descubres los rincones más mágicos de una típica bodega española. Además, terminaremos la jornada con una charla muy especial de un ponente misterioso.

08:15 Departure from Euskalduna Conference Centre

08:15 - 10:00 Trip to the Eguren Ugarte winery + Welcome

10:00 - 11:00 TRACK 4 · Metrology Solutions and Automation

10:00 - 10:30 TACCO – Fast & Accurate Zero Defect Part Set-Up by Photogrammetry
Pablo Puerto | IDEKO, Spain

10:30 - 11:00 An automated multi-system demonstrator for advanced optical measurement
Samanta Piano | Nottingham University, UK

11:00 - 11:30 Coffee Break

11:30 - 13:00 TRACK 5 · Advances in Standards / Uncertainty Analysis

11:30 - 12:00 Towards task-specific uncertainty assessment for imaging confocal microscopes
Jesús Paredes | Fundación Tekniker, Spain

12:30 - 13:00 Calibration, verification and test uncertainty
Alessandro Balsamo | Istituto Nazionale di Ricerca Metrologica (INRIM), Italy

13:00 - 13:30 SURPRISE SPEAKER

13:30 - 14:00 CLOSING

14:00 - 15:00 Winery Tour

15:00 - 16:00 Lunch

16:00 - 17:45 Journey back to Bilbao

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