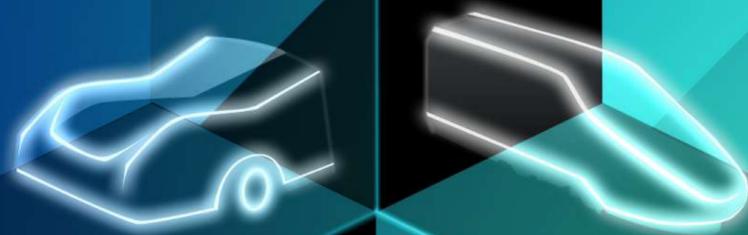


Metromest

International Conference on
Industrial Dimensional Metrology



3 + 4 + 5
MARCH
2020
Bilbao / SPAIN

www.metromeet.org

March 3 Marzo

08:30 - 09:00	Registration + Coffee
09:00 - 11:30	TUTORIAL Digital and Virtual Metrology Toni Ventura-Traveset Datapixel (Spain)
11:30 - 12:15	Coffee Break + MetroLab INNOVALIA METROLOGY
12:15 - 12:30	OPENING
12:30 - 13:30	KEYNOTE 1 A general approach to robot path planning for optical inspections Boris Bogaerts University of Antwerp (Belgium)
13:30 - 15:00	Lunch · Jauregia Restaurant
15:00 - 17:30	TRACK 1 · Industrial Metrology Applications
15:00 - 15:30	The Digital Twin – Hands-on Experience from Coordinate Metrology Daniel Heiselmann PTB (Germany)
15:30 - 16:00	Improvement hybrid measuring heads with high strength optically transparent measuring tips Evgeny Leun Lavochkin Association (Russia)
16:00 - 16:30	Probing in integrated CAD/CAM for manufacturing automation Philip Hewitt Autodesk (United Kingdom)
16:30 - 17:00	Reliability of Results of Multi-Parameter Measurement Control Amanzhol Abiyev Arcon Industries (Kazakhstan)
17:00 - 17:30	Material standards and interference systems for checking and calibrating coordinate measuring machines Valery Lysenko VNIIMS (Russia)
17:30 - 18:00	SPECIAL LECTURE - CALIBRATION Robot systems accuracy Gorka Kortaberria Tekniker (Spain)
20:30 - 23:00	Conference Banquet · Sociedad Bilbaína

*Simultaneous translation of all presentations will be made available to all attendees. / Todas las presentaciones tendrán traducción simultánea.
*The organization reserves the right to reschedule, add or cancel presentations. / La organización se reserva el derecho a modificar horarios, añadir o cancelar presentaciones.

March 4 Marzo

08:30 - 09:00	Registration
09:00 - 11:30	MASTER WORKSHOP Metrology throughout the machining process Ainhoa Etxabari Innovalia Metrology (Spain)
11:30 - 12:15	Coffee Break
12:15 - 13:30	KEYNOTE 2 The Only thing Constant is Change: What happens to Quality data when engineering changes happen Jennifer Herron Action Engineering (United States)
13:30 - 15:00	Lunch · Jauregia Restaurant
15:00 - 16:30	TRACK 2 · Tomography
15:00 - 15:30	3D multisensor coordinate measuring with image processing, microprobes, non-contact 3D sensors and computed tomography Detlef Ferger Werth (Germany)
15:30 - 16:00	CT on production floor, boosted by Metrology and Collaborative robots Juan Pablo Morillo Baker Hughes (Spain)
16:00 - 16:30	Industrial X-ray computed tomography for reverse engineering applications in additive manufacturing Naiara Ortega & Alejandro Pascual UPV University (Spain)
16:30 - 17:30	TRACK 3 · New Developments
16:30 - 17:00	ComMunion Project: 3D metal / Carbon Fiber Reinforced Thermoplastic Jean-Claude Morel Topsolid (France)
17:00 - 17:30	Neural-network-based error regression model for close-range photogrammetry Mohammed Isa University of Nottingham (United Kingdom)
17:30 - 18:00	ROUND TABLE + CLOSING

March 5 Marzo

The Future of Metrology	
In the 16th edition of Metromeet you will enjoy a third day focused on the Metrology of the future thanks to which we will talk about Digital twins, Artificial Intelligence, Augmented Reality and Management of large amounts of data. You will also enjoy the secrets of a typical Spanish winery while learning about the Future of Metrology.	En la edición 16 de Metromeet contarás con un tercer día enfocado a la Metrología del futuro en el que hablaremos de Digital twins, Inteligencia artificial, Realidad aumentada y Gestión de grandes cantidades de datos. Todo ello mientras descubres los secretos de una típica bodega española.
08:15	Departure from Euskalduna Conference Centre
08:15 - 10:00	Trip to the winery + Welcome
10:00 - 11:00	Next on Metrology
10:00 - 10:30	High speed technology for in-line measurements Laura Francos Innovalia Metrology (Spain)
10:30 - 11:00	Integration of metrology systems in large pilot lines of metal additive manufacturing Camilo Prieto AIMEN (Spain)
11:00 - 11:30	Coffee Break
11:30 - 12:30	Next on Metrology
11:30 - 12:00	Application of metrology and reverse engineering techniques in Motorsport Rafael García MSI (Spain)
12:00 - 12:30	Reality of Big Data and new technologies in the today's Industry Oscar Lázaro Innovalia Association (Spain)
12:30 - 13:00	CLOSING
13:00 - 14:00	Winery Tour
14:15 - 16:00	Lunch
16:00	Journey back to Bilbao