



DOST-ITDI
INDUSTRIAL TECHNOLOGY
DEVELOPMENT INSTITUTE
One-DOST-All: Solutions & Opportunities for All



26th to 29th AUGUST 2026



ACACIA HOTEL MANILA, Alabang,
Muntinlupa City, Metro Manila, PHILIPPINES



**IMEKO JOINT
CONFERENCE
TC8-TC11-TC24
PHILIPPINES 2026**

"Leveraging INNOVATION for Future-Ready MEASUREMENTS
for Industry, Health and Environment"

CONFERENCE PROGRAM

Grand Ballroom, 2nd Floor, ACACIA HOTEL MANILA

Alabang, Muntinlupa City, Metro Manila, Republic of the Philippines

TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
Day 1 (26 August 2026, Wednesday)					
04:00	PM	06:00	PM	Welcome Reception 2 nd Floor, Jollibee Commerce, Alabang, Muntinlupa City (Just walking distance from Acacia Hotel Manila)	Local Organizing Committee
Day 2 (27 August 2026, Thursday)					
08:00	AM	09:00	AM	Registration	Registration Committee
09:00	AM	09:05	AM	Philippine National Anthem Invocation	Audio-Visual Presentation (AVP)
09:05	AM	09:15	AM	Opening Remarks	Ms. Annabelle V. Briones, PhD Director, DOST-Industrial Technology Development Institute
09:15	AM	09:30	AM	Welcome Messages	Ms. Michela Segal, PhD Chairperson, IMEKO TC 8 Istituto Nazionale di Ricerca Metrologica (INRiM), Italy
					Mr. Álvaro Silva Ribeiro, PhD Chairperson, IMEKO TC 11 National Laboratory for Civil Engineering, Portugal
					Mr. Leonardo Iannucci, PhD Scientific Secretary, IMEKO TC 24 Politecnico di Torino, Torino, Italy
					Mr. Admer Rey C. Dablio, RCh, CCPQM Chairperson, Local Organizing Committee
09:30	AM	09:35	AM	Introduction of Keynote Message	Ms. Annabelle V. Briones, PhD Director, DOST-Industrial Technology Development Institute
09:35	AM	10:05	AM	Keynote Message "Securing Tomorrow's Standards: DOST's Commitment to Innovation and Future-Ready Measurements"	Hon. Renato U. Solidum, Jr., PhD Secretary, Department of Science and Technology (DOST), Republic of the Philippines
10:05	AM	10:30	AM	Ribbon-cutting and Opening of Exhibits (Posters and Sponsors) Health and Networking Break	



Grand Ballroom

Arvore Function Room

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10:30	AM	10:55	AM	Plenary Lecture 1 EUROLAB – a strategic approach for the lab of tomorrow	Ms. Laura Martin Secretary General, EUROLAB, Belgium
10:55	AM	11:00	AM	Q&A Session	Moderator: Mr. Admer Rey C. Dablio, RCh, CCPQM
11:00	AM	11:50	AM	Plenary Lecture 2 Standardizing the Future: The Official Launch of the Global Accreditation Cooperation Incorporated	Mr. Marcus Long Chief Executive, International Input-Output Association (IIOA)
11:50	AM	12:00	PM	Q&A Session	Moderator: Mr. Admer Rey C. Dablio, RCh, CCPQM
12:00	PM	01:00	PM	Lunch and Networking Break	
01:00	PM	03:00	PM	Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Chemical Measurements for the Food Industry Session Moderators: Mr. Leonardo Iannucci, PhD Ms. Ma. Rachel V. Parcon, RCh, MSc	Innovation and Validation of Methods in Testing, Calibration, Inspection and Certification Session Moderators: Prof. Marija Cundeva-Blajer Mr. Admer Rey C. Dablio, RCh, CCPQM

Parallel Breakout Session – Room A
Chemical Measurements for the Food Industry

TIME				Title of Presentation	Presenting Author
01:00	PM	01:15	PM	Abstract ID No. 29 "23RPT03 Project GrainMET: Updates on reference water content determinations in plant-origin materials"	Francesca Durbiano
01:15	PM	01:30	PM	Abstract ID No. 05 "PFOA and PFOS migration from commercially-used food-contact materials (FCMs) using LC-MS/MS"	Agaseve Del Rosario
01:30	PM	01:45	PM	Abstract ID No. 85 "Automating LC-MS Method Validation for Food Safety: A Software-Assisted Approach Using ValChrom"	Christian Laurio

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TIME				Title of Presentation	Presenting Author
01:45	PM	02:00	PM	Abstract ID No. 22 "Performance Trends of Philippine Laboratories in Heavy Metal Analysis in Seafood Matrices via Accuracy-Based Proficiency Testing with Metrological Traceable Reference Values"	Alleni Junsay
02:00	PM	02:15	PM	Abstract ID No. 25 "Application of Multivariate Analysis in the Investigation of Microparticles Present in Philippine Milkfish, Feeds, and Marine Water"	Zamantha Nadir Martin
02:15	PM	02:30	PM	Abstract ID No. 27 "Validation of AOAC Official Method 995.11 for Total Phosphorus Determination in Fish Products"	Michael Lagmay
02:30	PM	02:45	PM	Abstract ID No. 35 "Chemometric Evaluation of Total Reflection X-Ray Fluorescence (TXRF) Elemental Profiles of Milkfish (<i>Chanos chanos</i>) Tissue for Geographic Differentiation"	Reno Bia
02:45	PM	03:00	PM	Abstract ID No. 70 "Validation of a Direct Saponification GC-FID Method for Cholesterol Determination in Selected Foods"	Michael Pelagio

Parallel Breakout Session – Room B

Innovation and Validation of Methods in Testing, Calibration, Inspection and Certification

TIME				Title of Presentation	Presenting Author
01:00	PM	01:15	PM	Abstract ID No. 08 "Unsupervised Anomaly Detection in Perfluorooctane Sulfonate (PFOS) and Perfluorooctanesulfonic Acid (PFOA) Migration Measurements for Laboratory Quality Assurance and Conformity Assessment"	David Jaucian Alcarde, Jr.
01:15	PM	01:30	PM	Abstract ID No. 10 "Modeling Laboratory Workflows for Efficiency: Throughput, Delays, and Operational Variability"	Erish Daranciang
01:30	PM	01:45	PM	Abstract ID No. 14 "Development of an In-House LC-MS/MS Method for the Detection of Selected Food Allergens in Philippine Cookies"	Johanna Andrea Valdueza
01:45	PM	02:00	PM	Abstract ID No. 33 "The critical role of research and industry partnerships in establishing food packaging safety in the Philippines"	Elyson Keith Encarnacion
02:00	PM	02:15	PM	Abstract ID No. 48 "Measurement Capability of TXRF for Trace Heavy Metal Detection in Epoxy-Based Die Attach Adhesives"	Aldrin Jan Tabuso

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TIME				Title of Presentation	Presenting Author
02:15	PM	02:30	PM	Abstract ID No. 63 "Low-Cost Barometer Calibration Using a Desiccant Jar-Based Vacuum Chamber in the Philippines"	Maryness Salazar

TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
03:00	PM	03:15	PM	Health and Networking Break	
				Room A Grand Ballroom	Room B Arvore Function Room
				Special Sponsored Technical Presentations	Special Sponsored Technical Presentations
03:15	PM	03:35	PM	"Versatility of Microwave Platform for Extraction Applications: PFAS, Microplastics, MOSH and MOAH" Stefano Paggio, Milestone Srl Sponsored Technical Presentation from Guill-Bern Corporation	"Advancing Omics with Shimadzu MALDI-TOF MS: Towards Future-Ready Measurements" Alexandra Grace Delis, RMicro Life Science Product Specialist, Shimadzu Philippines Corporation Sponsored Technical Presentation from Shimadzu Philippines Corporation
03:40	PM	04:00	PM	"STRIDE into Future-Ready Measurements: Advancing Industry, Health and the Environment through Sustainable and Empowered Metrology" Engr. Moisselle Sarah C. Roxas, General Manager, Premier Physic Metrologie Sponsored Technical Presentation from Premier Physic Metrologie	"Dodging Rough Roads: Measuring Yield Stress to Correlate Slump of Concrete and Cement Paste" Rosemarie Hibo-Joaquin Applications Chemist, Dynalab Corporation Sponsored Technical Presentation from Dynalab Corporation
04:00	PM	05:00	PM	Poster Session	
05:00	PM	06:00	PM	Networking Preparation for the Fellowship and Networking Night	Local Organizing Committee
06:00	PM	10:00	PM	Fellowship and Networking Night Grand Ballroom, Acacia Hotel Manila	Local Organizing Committee and the Tourism and Promotions Board (TPB), Department of Tourism (DOT), Republic of the Philippines

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Day 3 (28 August 2026, Friday)					
TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
08:00	AM	09:00	AM	Registration	Registration Committee
09:00	AM	09:50	AM	Plenary Lecture 3 Quality and Trust Through Metrology: Advancing Natural Products in Healthcare and Industrial Sectors in Thailand	Ms. Sornkrit Marbumrung, PhD Chemical Metrologist and Senior Professional, National Institute of Metrology (Thailand) (NIMT)
09:50	AM	10:00	AM	Q&A Session	Moderator: Mr. Admer Rey C. Dablio, RCh, CCPQM
10:00	AM	10:45	AM	Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Nanomaterials for Gas Sensing Applications Session Moderators: Prof. Emma Angelini Ms. Persia Ada N. De Yro, PhD	Innovation and Validation of Methods in Testing, Calibration, Inspection and Certification Session Moderators: Ms. Michela Sega, PhD Ms. Leah C. Dajay, RCh, MSc
10:45	AM	11:00	AM	Health and Networking Break	
11:00	AM	12:00	PM	Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Chemical Measurements for Health and Environment Session Moderators: Ms. Sornkrit Marbumrung, PhD Ms. Alleni T. Junsay, RCh, MSc	Reference Materials, Traceability and Measurement Uncertainty Session Moderators: Ms. Michela Sega, PhD Ms. Maryness I. Salazar, PhD
12:00	PM	01:00	PM	Lunch and Networking Break	

Parallel Breakout Session – Room A
Nanomaterials for Gas Sensing Applications

TIME				Title of Presentation	Presenting Author
10:00	AM	10:15	AM	Abstract ID No. 82 "Black Metals and Aerogels as Highly Porous Platforms for Chemical Sensors"	Premysl Fitl
10:15	AM	10:30	AM	Abstract ID No. 83 "Surface modified black metals for gas sensors and light utilization in sensing"	Michal Novotny
10:30	AM	10:45	AM	Abstract ID No. 65 "Thin film technologies for gas cylinders passivation"	Sabrina Grassini

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Parallel Breakout Session – Room B

Innovation and Validation of Methods in Testing, Calibration, Inspection and Certification

TIME				Title of Presentation	Presenting Author
10:00	AM	10:15	AM	Abstract ID No. 06 "Homogeneity Assessment of Nylon/LDPE Flexible Packaging Films Based on Oxygen Transmission Rate Measurements"	Anne Alcantara
10:15	AM	10:30	AM	Abstract ID No. 37 "Method Validation of Total Reflection X-ray Fluorescence (TXRF) for Arsenic Screening in Milkfish (Chanos chanos)"	Aldrin Jan Tabuso
10:30	AM	10:45	AM	Abstract ID No. 46 "Assessment of Methods for Analytical Testing of Soluble Sulfates in Construction Materials: Integrating Measurement Uncertainty and Proficiency Testing"	Michael Lagmay

Parallel Breakout Session – Room A

Chemical Measurements for Health and Environment

TIME				Title of Presentation	Presenting Author
11:00	AM	11:15	AM	Abstract ID No. 38 "Comparative Evaluation of Drinking Water Supply Options in a Makati Office Using pH and Turbidity Measurement Uncertainty in Cost-Based Decision-Making"	Abraham de Guzman
11:15	AM	11:30	AM	Abstract ID No. 57 "Characterisation of potentiometric sensors for sweat analysis"	Leonardo Iannucci
11:30	AM	11:45	AM	Abstract ID No. 74 "Validation of a Dual-Channel Ion Chromatography Method for Multi-Ion Determination and Environmental Water Quality Assessment"	Sheryl Lozel Arreola
11:45	AM	12:00	PM	Abstract ID No. 64 "New perspectives in chemical measurements for dentistry"	Sabrina Grassini

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Parallel Breakout Session – Room B

Reference Materials, Traceability and Measurement Uncertainty

TIME				Title of Presentation	Presenting Author
11:00	AM	11:15	AM	Abstract ID No. 28 "Bracketing or exact matching: two different approaches for delta13C-CO2 value assignment to isotopic reference gas mixtures"	Michela Sega
11:15	AM	11:30	AM	Abstract ID No. 39 "Multicriteria Selection of Candidate Substances for Density Certified Reference Materials Using the Analytic Hierarchy Process"	Omar-Jair Purata-Sifuentes
11:30	AM	11:45	AM	Abstract ID No. 12 "Empirical Validation of Wringing Uncertainty Using Long-Service Gauge Blocks: Evidence-Based Replacement of Conservative Estimates in Calibration Budgets"	Arvin Yan Pacia
11:45	AM	12:00	PM	Abstract ID No. 11 "Single-Laboratory Validation of a Spectrophotometric Method for the Quantitative Determination of Total UV-Absorbing Contaminants (as Bisphenol A) Migrating from Polyethylene Packaging to 8% Ethanol Food Simulant"	Josefino Antonio Mendoza

TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
01:00	PM	01:50	PM	Plenary Lecture 4 Boosting National Quality Infrastructure: Insights from the World Development Report 2025	Mr. Philip Grinsted Private Sector Specialist and Co-Author of the World Development Report 2025, World Bank
01:50	PM	02:00	PM	Q&A Session	Moderator: Mr. Admer Rey C. Dablio, RCh, CCPQM
02:00	PM	03:00	PM	Poster Session	
03:00	PM	03:15	PM	Health and Networking Break	
03:15	PM	04:30	PM	Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Chemical Measurements for Materials Characterization Session Moderators: Ms. Francesca Durbiano, PhD Ms. Christy S. Daniel, RCh, EMQAL	IMEKO TC11 – Annual Meeting (With participations from members via Zoom)
04:30	PM	05:45	PM	IMEKO TC24 – Annual Meeting (With participations from members via Zoom)	IMEKO TC8 – Annual Meeting (With participations from members via Zoom)

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Parallel Breakout Session – Room A

Chemical Measurements for Materials Characterization

TIME				Title of Presentation	Presenting Author
03:15	PM	03:30	PM	Abstract ID No. 03 "Elemental Fingerprinting of Reinforcing Steel Bars Using Portable EDXRF and Chemometric Analysis for Origin Classification"	Mary Joy Bautista
03:30	PM	03:45	PM	Abstract ID No. 13 "Chemical Insights into the Degradation Mechanisms of Cultural Metal Artefacts"	Emma Angelini
03:45	PM	04:00	PM	Abstract ID No. 50 "Structural Characteristics, Mechanical and Corrosion Inhibition Performance of Epoxy-Polyaniline Coating"	Key Simfroso
04:00	PM	04:15	PM	Abstract ID No. 76 "Physico-Mechanical Comparative Analysis of Coco Lumber and Coco Peat Powder-Reinforced Polyester Resin Composite Fiberboards as an Eco-Friendly Substitute for Medium-Density Fiberboards"	Emerson Leonard Mangasang Mata
04:15	PM	04:30	PM	Abstract ID No. 09 "Temporal studies on polyethylene's total UV-absorbing contaminants migrating to fatty and oily foods at refrigeration and ambient temperatures"	Rizel Marie Ting

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Day 4 (29 August 2026, Saturday)					
TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
08:00	AM	09:00	AM	Registration	Registration Committee
09:00	AM	09:50	AM	Plenary Lecture 5 Trustworthy AI in Medicine – Data Quality as a Metrological Challenge	Mr. Daniel Schwabe, PhD Coordinator for Digital Medicine, Division 8: Medical Physics and Metrological Information Technology Physikalisch- Technische Bundesanstalt (PTB), Germany
09:50	AM	10:00	AM	Q&A Session	Moderator: Mr. Admer Rey C. Dablo, RCh, CCPQM
				Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Special Sponsored Technical Presentations	Special Sponsored Technical Presentations
10:00	AM	10:20	AM	"Direct Mercury Analysis: Advancing Innovative Measurements for Health and Environmental Protection" Carlo Delos Santos Application Specialist, Brownstone Asia-Tech, Inc. Sponsored Technical Presentation from Brownstone Asia-Tech, Inc.	"Sartorius Pipette Calibration (ISO 8655)" Zenaides Jay A. Amaro, Jr. Sales and Marketing Manager; Queen D. Pardilan Product Specialist, Sartorius Lab Weighing Sponsored Technical Presentation from LABTRADERS, Inc.
10:25	AM	10:45	AM	Poster Session	
10:45	AM	11:00	AM	Health and Networking Break	
				Parallel Breakout Sessions	
				Room A Grand Ballroom	
11:00	AM	12:30	PM	Digital Transformation in TIC Session Moderators: Prof. Álvaro Silva Ribeiro Mr. Erish T. Daranciang, PhD	

Parallel Breakout Session – Room A

Chemical Measurements for Materials Characterization

TIME				Title of Presentation	Presenting Author
11:00	AM	11:15	AM	Abstract ID No. 02 "Audit-Ready and Explainable Machine Learning for Chemical Measurements: A Case Study on Ceramic Oxide Profiles"	David Jaucian Alcarde, Jr.

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TIME				Title of Presentation	Presenting Author
11:15	AM	11:30	AM	Abstract ID No. 42 "A Traceable Smart Meteorological Research Station for High-Accuracy Monitoring: Edge Computing, M2M Communication and Dynamic Data Science Models"	Alvaro Silva Ribeiro
11:30	AM	11:45	AM	Abstract ID No. 47 "Application of Statistical Process Control (SPC) for Monitoring Stability and Variability in Perfluorooctane Sulfonate (PFOS) and Perfluorooctanesulfonic Acid (PFOA) Migration Measurements"	Agaseve Del Rosario
11:45	AM	12:00	PM	Abstract ID No. 55 "Digital Transformation of LNEC Laboratories: A Smart LIMS Architecture Integrating AI, M2M Communication and Automated Data Analytics"	Alvaro Silva Ribeiro
12:00	PM	12:25	PM	Abstract ID No. 59 "Validation of Measurement System for Testing Wetsuits Thermal Properties"	Cesare Svelto
12:15	PM	12:30	PM	Abstract ID No. 60 "Advancing Metrology for Extreme Electrical Currents: Traceability, Uncertainty Analysis, and Conformity Assessment"	Marija Cundeva-Blajer

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TIME				SESSIONS	SPEAKERS / RESPONSIBILITIES
12:30	PM	12:45	PM	Closing Session	
				Awarding of Best Poster Award	DOST-ITDI Director; IMEKO TC8, TC11, and TC24 Chairpersons; EUROLAB Secretary General; and Informatics (Best Poster Award Sponsor) Representative
				Invitation to the IMEKO World Congress 2027	Mr. Admer Rey C. Dablio, RCh, CCPQM Chairperson, Local Organizing Committee
				Acknowledgement of Institutional Partners, Exhibitors, and Sponsors	
				Closing Messages	Ms. Ma. Rachel V. Parcon, RCh, MSc Officer-in-Charge, Office of the Deputy Director for Administrative and Technical Services (ATS); Chief Science Research Specialist, Standards and Testing Division, DOST-ITDI
12:45	PM	02:00	PM	Lunch and Networking Break	
02:00	PM	05:00	PM	Manila Cultural Heritage Arranged Tour INTRAMUROS, City of Manila	Intramuros Administration

Conference Master of Ceremony

Mr. Admer Rey C. Dablio, RCh, CCPQM
Chairperson, Local Organizing Committee

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LIST OF POSTERS

Poster Code	Title of Presentation	Presenting Author
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