



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	
03:15	PM	04:00	PM	Room A Grand Ballroom	Room B Arvore Function Room
				Special Sponsored Technical Presentations	Special Sponsored Technical Presentations
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. Dablo, 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 Segà
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 Grinstead 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
10:00	AM	10:45	AM	Parallel Breakout Sessions	
				Room A Grand Ballroom	Room B Arvore Function Room
				Special Sponsored Technical Presentations	Special Sponsored Technical Presentations
10:45	AM	11:00	AM	Health and Networking Break	
11:00	AM	12:30	PM	Parallel Breakout Sessions	
				Room A Grand Ballroom	
				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.
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

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TIME				Title of Presentation	Presenting Author
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

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	Audio-Visual Presentation (AVP)
				Acknowledgement of Institutional Partners, Exhibitors, and Sponsors	Mr. Admer Rey C. Dablio, RCh, CCPQM Chairperson, Local Organizing Committee
				Closing Messages	Ms. Ma. Rachel V. Parcon, RCh, MSc Chief Science Research Specialist, Standards and Testing Division, DOST-ITDI Mr. Michael A. Solis, MSc Chief Science Research Specialist, National Metrology 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
PST-01	Abstract ID No. 04 "Chemometric Evaluation of FDA-required Migration Parameters in Commercial Polyethylene Food Packaging using Aqueous Simulant"	Rizel Marie Ting
PST-02	Abstract ID No. 07 "Accreditation and Best Practices in Meteorological Instrument Calibration: Insights from the PAGASA Instrument Calibration Laboratory"	Irwin Aguilar
PST-03	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
PST-04	Abstract ID No. 15 "Evaluating Competence of Philippine Laboratories in Testing Water Activity of Biscuit Sample through Conduct of Interlaboratory Comparison"	Jan-Ervin Guerrero
PST-05	Abstract ID No. 16 "Carbon Dioxide Exposure and Emission Assessment in Environmental Laboratory Settings"	Maria Carmela Capule
PST-06	Abstract ID No. 17 "Establishing Metrological Traceability in Elemental Analysis: Development of a Candidate Reference Material for Cd, Hg, and Pb in Mussels"	Clarissa Manguin
PST-07	Abstract ID No. 23 "Interlaboratory Comparison in Nutritional Measurements: Results of 2023 APFAN Proficiency Testing Program"	Leah Dajay
PST-08	Abstract ID No. 24 "Optimization and Validation of a Test Method for the Quantification of Total Mercury in Fish Tissue through Thermal Decomposition, Amalgamation, and Atomic Absorption Spectrophotometry"	Kenneth Edward Eugenio Pedres
PST-09	Abstract ID No. 26 "Design and early deployment of a distributed digital environmental conditions monitoring system supporting traceability in a triple-accredited laboratory"	Rossdhan Ramos
PST-10	Abstract ID No. 32 "Effects of Varying Food Types and Physical Properties of Film on the Total Residual Contaminants Migrating from Monolayer Polyethylene Packaging"	Maria Jelo Mantile
PST-11	Abstract ID No. 36 "Evaluating Arsenic Removal from Natural Ore: A Treatability Study in Central Luzon, Philippines"	Maria Carmela Capule

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Poster Code	Title of Presentation	Presenting Author
PST-12	Abstract ID No. 43 "Prioritization of Packaging Safety Testing Services through Stakeholder Demand Analysis in the Philippine Packaging Industry"	Harold Armario
PST-13	Abstract ID No. 45 "Bridging Competency Gaps: A Training Needs Assessment for ISO/IEC 17025:2017 in Laboratory Settings in the Asia Pacific"	Admer Rey Dablio
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PST-24	Abstract ID No. 78 “Multivariate Analysis of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) Migration Measurements Using Principal Component Analysis (PCA)”	Josefino Antonio Mendoza
PST-25	Abstract ID No. 80 Assessment of Conventional Mass Drift in Working Mass Standards	Argielou Flores
PST-26	Abstract ID No. 81 Development of Proficiency Test Materials for Dairy Products	Maria Camille Palis
PST-27	Abstract ID No. 84 Interdigitated Sensors' Geometry Influence on Temperature and Humidity Response	Cesare Svelto

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