

# WORLD METROLOGY DAY

## The International System of Units Fundamentally better

### Thursday May 23<sup>rd</sup> 2019

08:00 - 08:30	<b>Registration</b>
08:30 - 08:45	<b>Welcome</b> Dr. Edwin Arvey Cristancho-Pinilla, PhD. General Director Instituto Nacional de Metrología of Colombia (INM)
08:45 - 9:00	<b>Opening</b> Dr. Saúl Pineda Hoyos Vice Minister of Business Development Ministry of Commerce, Industry and Tourism
09:00 - 09:30	<b>Metrology for competitiveness and innovation</b> Dr. Joachim Ullrich President of the Physikalisch-Technische Bundesanstalt (PTB) Vice-President of the international Committee for Weights and Measures (CIPM) President of the consultative Committee of the International Units (CCU) of International Committee for Weights and Measures (CIPM)
09:30 - 10:00	<b>Quality Infrastructure for Productive Development</b> Rafael Puyana Martínez Deputy Director of the Colombia National Planning Department (DNP)
10:00 - 10:30	<b>Infrastructure of Quality and Competitiveness</b> Johannes Dobinger Representative in Colombia of the United Nations Industrial Development Organization (UNIDO)
10:30 - 10:45	<b>Coffee Break</b>
10:45 - 11:30	<b>Panel: "Public Policies in the Infrastructure of Quality and Competitiveness"</b> Chair Person: Ramon Madriñan. Executive Director ASOCEC  Joachim Ullrich (PTB) Juan Sebastián Robledo (DNP) Johannes Dobinger (ONUDI) Marco Llinás (CCB)
11:30 - 12:45	<b>Metrology in science, education, technology and innovation: Role of the Mission of wise people of Colombia 2019</b> Dr. Eduardo Posada Sustainable energy Dr. María del Pilar Noriega Escobar Convergent technologies, nano, bio, info and cogno and industries 4.0 Dra. Silvia Restrepo Biotechnology, bioeconomy and the environment
12:45 - 14:00	<b>Almuerzo</b>
14:00 - 14:45	<b>The International Union of Pure and Applied Chemistry - IUPAC and the periodic table</b> Dr. Zoltan Mester Leader of Chemical Metrology, National Research Council (NRC) of Canadá President of the Analytical Chemistry Division of International Union of Pure and Applied Chemistry (IUPAC)
14:45 - 15:30	<b>The Periodic Table in Painting of the Middle Ages and the Renaissance</b> Prof. Elena Stashenko General Director of the Chromatography and Mass Spectrometry Center of the National Research Center for the Agroindustrialization of Aromatic and Tropical Medicinal Vegetable Species (CENIVAM) Teacher and researcher Santander Industrial University (UIS) Member of the Colombian Academy of the Exact, Physical and Natural Sciences
15:30 - 15:45	<b>Coffee Break</b>
15:45 - 16:15	<b>The Disappearing Spoon</b> Sam Kean American Writer
16:15 - 16:50	<b>Panel: "The periodic table of chemical elements"</b> Chair Person: Andrea Mojica. Deputy Director of Innovation and Technology Services of INM de Colombia  Dr. Zoltan Mester (NRC - IUPAC) Prof. Elena Stashenko (CENIVAM - UIS) Sam Kean (Writer)
16:50 - 17:00	<b>Closing of the session</b>

### Friday May 24<sup>th</sup> 2019

07:30 - 08:30	<b>Advisory Board Session (Private event)</b>
08:00 - 08:30	<b>Registration</b>
08:30 - 8:35	<b>Opening</b> Dr. Edwin Arvey Cristancho-Pinilla, PhD. General Director Instituto Nacional de Metrología (INM). Colombia
08:35 - 09:20	<b>The International System of Units (SI). Fundamentally better</b> Dr. Martin Milton Director of the International Office of Weights and Measures (BIPM)
09:25 - 10:10	<b>For all times and all cultures - the new International System of Units</b> Dr. Joachim Ullrich President of the Physikalisch-Technische Bundesanstalt (PTB), Vice-President of the international Committee for Weights and Measures (CIPM), President of the consultative Committee of the International Units (CCU), of International Committee for Weights and Measures (CIPM)
10:10 - 10:25	<b>Coffee Break</b>
10:25 - 11:10	<b>The new SI, a chemistry perspective</b> Dr. Zoltan Mester Leader of Analytical Chemistry, National Research Council (NRC) of Canadá President of the Analytical Chemistry Division of International Union of Pure and Applied Chemistry (IUPAC)
11:10 - 11:30	<b>Panel "Metrology in the world"</b> Chair Person: Edwin Arvey Cristancho-Pinilla, PhD. General Director Instituto Nacional de Metrología (INM). Colombia  Dr. Martin Milton (BIPM) Dr. Joachim Ullrich (PTB) Dr. Zoltan Mester (NRC - IUPAC)
11:30 - 12:05	<b>European scheme of proficiency testing on pesticide residues</b> Dr. Amadeo R. Fernández-Alba Director of the EU Reference laboratory for the control of pesticide residues in Fruits and Vegetables Almería University. Spain
12:05 - 12:40	<b>Period of lack in coffee growing process</b> Pablo Benavides Machado Entomology Scientific Investigator. National Research Center of Coffee-Cenicafé
12:40 - 13:05	<b>Panel "Food safety"</b> Chair Person: Iván Camilo Sánchez. Coordinator of the Risk Assessment in Food Safety group (INS)  Pablo Benavides Machado (Cenicafé) Dr. Amadeo R. Fernández-Alba (Almería University) Juliana Barrios (INM)
13:05 - 14:00	<b>Lunch</b>
14:10 - 15:00	<b>Designated institutes</b> Dr. Martin Milton Director of BIPM Dr. Joachim Ullrich President of PTB Dr. Edwin Arvey Cristancho-Pinilla PhD. Director of INM de Colombia
15:00 - 15:40	<b>Panel: "Designated institutes"</b> Chair Person: Mary Luz Peña. Director of Nuclear Affairs. Colombian Geological Service (SGC)  Israel Carrión DINER Metrology Ecuadorian Normalization Service INEN. Carmen Elena Zapata Air Quality Laboratory - Calaire Universidad Nacional Sede Medellín
16:15 - 17:00	<b>Recognition to metrologists (INM Headquarters)</b>
17:00	<b>Closing of the session</b>

Note: This agenda is subject to changes.