

## Wednesday Schedule

Wednesday	Event	Speakers Name	Session Title
7:30	Vendor Hall Opens		
8:00	Invited Speaker	Karl Jousten	Accurate high vacuum measurement by means of a novel standardized ion gauge
8:20	Oral, Contributed	Martin Wüest	Applications of a new reference ionization vacuum gauge
8:40	Oral, Contributed	Janez Setina	Precise characterization of nonlinearity of gas conductance of sintered stainless steel leak element
9:00	Oral, Contributed	Martin Vičar	New Method of a Constant-Pressure Flowmeter Traceability
9:20	Oral, Contributed	Matthias Bernien	Reduction of the uncertainty of PTB's pressure scale in the range from 10 mPa to 130 Pa by fully automated Aluminum static expansion system
10:00	Break, Vendor Exhibit		
10:20			
10:40	Invited Speaker	Marcy Stutzman	Extreme high vacuum for polarized electron sources
11:00			
11:20	Invited Speaker	Stephen Eckel	Quantum-based measurement of ultra-high vacuum using cold atoms
11:40			
12:00	Oral, Contributed	Annas Ali	Reference leaks for traceable outgassing rate measurements of hydrocarbons and water
12:20	Oral, Contributed	Robert Smith	Investigation into the Temperature Dependence of Cold Cathode Ionization Gauges
12:40	Lunch Break, Vendor Exhibit		
13:00			
13:20			
13:40	Invited Speaker	Tom Rubin	Progress and goals towards the quantum-based realization of the Pascal
14:00			
14:20	Oral, Contributed	Kevin Douglass	Optical Pressure Measurements approaching Ultra-High Vacuum
14:40	Oral, Contributed	Amazigh Rezki	Status and performance of the Fabry-Perot refractometer developed at LNE-Cnam for pressure measurement
15:00	Poster Session		
15:20			
15:40	Break, Vendor Exhibit		
16:00	Invited Speaker	Giovanni Garberoglio	Ab-initio calculations for the highly accurate calculation of the virial expansion of pressure and dielectric constant
16:20			
16:40	Oral, Contributed	Domenico Mari	Experimental determination of molar polarizability of nitrogen by a multi-reflection interferometric technique
17:00	Oral, Contributed	Martin Zelan	Fabry-Perot based refractometry utilizing gas modulation: Accuracy, precision, and transportability
17:20	Oral, Contributed	Jacob Ricker	Use of a Fixed Length Optical Cavity (FLOC) for Differential Pressure Measurements for Air Data Calibrations
17:40	Oral, Contributed	Sefer Avdiaj	Diffusion of Helium through Zerodur Glass

## Thursday Schedule

Thursday	Event	Speakers Name	Session Title
7:30	Vendor Hall Opens		
8:00	Invited Speaker	Sarah White	Fixed-Length Optical Cavity as a Pressure Metrology Tool
8:20			
8:40	Oral, Contributed	Hossein Masalehdan	Nanomechanical trampoline sensors for pressure and vacuum metrology
9:00	Oral, Contributed	SamYong Woo	Characteristics of a Commercial MEMS Quartz Tuning Fork as a Tiny Vacuum Sensor
9:20	Oral, Contributed	Neculai Moiso	Negative gauge pressure calibration methods using a PACE CM3 pressure controller
9:40	Oral, Contributed	Hiroaki Kajikawa	Development of pressure calibrator applying 0-A-0 pressurization to reference pressure transducers
10:00	Break, Vendor Exhibit		
10:20			
10:40	Invited Speaker	Frank Härtig	Digital Transformation in Metrology
11:00			
11:20	Oral, Contributed	Jay Hendricks	The Changing Role of the NMI with SI Redefinition and NIST on a Chip
11:40	Oral, Contributed	Karl Jousten	Written standards for vacuum metrology - an overview
12:00	Oral, Contributed	Sindy Higuera	Exploring Fit Approaches for Pressure Calibration: An Interactive Web Application for Comparative Analysis
12:20	Lunch Break, Vendor Exhibit		
12:40			
13:00			
13:20	Invited Speaker	Wladimir Sabuga	Recent research results on piston gauges
13:40			
14:00	Oral, Contributed	Kajikawa Hiroaki	Progress towards dimensional measurements for piston-cylinder of pressure balance
14:20	Oral, Contributed	Dominik Pražák	New Geometrical Characterizations of the Pressure Balances of the Czech Metrology Institute
14:40	Oral, Contributed	Matthew Brown	Hydraulic Pressure Measurement at NRC Canada
15:00	Oral, Contributed	Peter McDowall	Temperature inhomogeneity in the MSL primary pressure standard during operation
15:20	Break, Vendor Exhibit (Vendor hall closes at 4pm)		
15:40			
16:00	Oral, Contributed	Zdeněk Krajíček	Bilateral Comparison of CMI and SMU up to 900 MPa
16:20	Oral, Contributed	Christian Wuethrich	Circular comparison of piston-cylinders using a differential sensor.
16:40	Invited Speaker	Richard Högstrom	Recent advances in dynamic pressure metrology
17:00			
17:20	Oral, Contributed	Fredrik Arrhén	The development of dynamic pressure standards in gas at RISE - past, present and future
17:40	Oral, Contributed	In-Mook Choi	Development status of KRISS dynamic pressure standards
18:00	IMEKO TC16 meeting	IMEKO TC16 Chair	Overview and invitation to join TC-16