

Submission Identifier	Final Identifier	Accepted As	Session Date and Time	Title	Abstract Topic Name	Presenting Author(s)
MONDAY 3RD SEPTEMBER 2018						
OFSIS Session 1 Time: 1400-1530 Room: Studio Chair: Professor K T V Grattan Co-Chair: Professor Tongyu Liu						
IMEKO18L-810	IMEKO-OR-290	Oral	03-09-2018 1400	DISTRIBUTED VIBRATION SENSING: PRINCIPLES AND APPLICATIONS	OFSIS	
New-OFSIS-1	IMEKO18-OR-277	Oral	03-09-2018 1400	Optical Fiber Sensors and Applications (invited)	OFSIS	Perry Shum
IMEKO18L-782	IMEKO18-OR-248	Oral	03-09-2018 1400	MICRO-STRUCTURED FIBER DISTRIBUTED ACOUSTIC SENSING SYSTEM FOR BOREHOLE SEISMIC SURVEY	OFSIS	Qizhen Sun
IMEKO18L-716	IMEKO18-OR-254	Oral	03-09-2018 1400	FIELD TEST OF A 16 CHANNEL HIGH SENSITIVITY FBG GEOPHONE ARRAY	OFSIS	Zhihui Sun
New-OFSIS-3	IMEKO18-OR-278	Oral	03-09-2018 1400	Benchtop experiments of an ultrasound fiber optic temperature measurement system for atrial fibrillation ablation procedures	OFSIS	X Guo
TC3 Session 1 - Mass Time: 1400-1530 Room: TBC Chair: Dr. Frank Härtig Co-Chair: Dr. Kenichi Fujii						
IMEKO18-633	IMEKO18-OR-003	Oral	03-09-2018 1400	ENSURING THE STABILITY OF PRIMARY MASS STANDARDS DURING THE IMPLEMENTATION OF THE NEW DEFINITION OF THE KILOGRAM	TC3 - Measurement of Force, Mass and Torque	Stuart Davidson
IMEKO18-567	IMEKO18-OR-004	Oral	03-09-2018 1400	NPL KIBBLE BALANCE BIFILAR COIL DESIGN AND EVALUATION	TC3 - Measurement of Force, Mass and Torque	James Berry
IMEKO18-305	IMEKO18-OR-013	Oral	03-09-2018 1400	THE PLANCK-BALANCE – PRIMARY MASS METROLOGY FOR INDUSTRIAL APPLICATIONS	TC3 - Measurement of Force, Mass and Torque	Ludwig Günther
IMEKO18-404	IMEKO18-OR-015	Oral	03-09-2018 1400	ESTIMATION TECHNIQUE OF THE MASS OF DRIFTING MASS STANDARDS	TC3 - Measurement of Force, Mass and Torque	Zoltan Zelenka
IMEKO18-166	IMEKO18-OR-030	Oral	03-09-2018 1400	TRACEABILITY OF FREQUENCY BASED MASS MEASUREMENTS USING A QUARTZ CRYSTAL MICROBALANCE	TC3 - Measurement of Force, Mass and Torque	Corey Stambaugh
IMEKO18-293	IMEKO18-OR-039	Oral	03-09-2018 1400	EXPERIMENTAL RESEARCH ON THE HIGH ACCURACY MASS DETERMINATION BETWEEN STAINLESS AND SILICON SPHERE MASS STANDARDS	TC3 - Measurement of Force, Mass and Torque	Manhong Hu
TC16 Session 1 Time: 1400-1530 Room: TBC Chair: Dr Tokihiko Kobata Co-Chair: Dr Jay H Hendricks						
IMEKO18-646	IMEKO18-OR-182	Oral	03-09-2018 1400	THE EMERGING FIELD OF QUANTUM BASED MEASUREMENTS FOR PRESSURE, VACUUM, AND BEYOND!	TC16 - Pressure and Vacuum Measurements	Jay Hendricks
IMEKO18-661	IMEKO18-OR-181	Oral	03-09-2018 1400	TOWARDS PHOTONIC BASED PASCAL REALIZATION AS A PRIMARY PRESSURE STANDARD	TC16 - Pressure and Vacuum Measurements	Jacob Ricker
IMEKO18-378	IMEKO18-OR-180	Oral	03-09-2018 1400	AN OPTICAL INTERFEROMETER FOR PRESSURE MEASUREMENT	TC16 - Pressure and Vacuum Measurements	Domenico Mari
IMEKO18-283	IMEKO18-OR-289	Oral	03-09-2018 1400	SIMULATION OF PRESSURE INDUCED LENGTH CHANGE OF AN OPTICAL CAVITY USED FOR OPTICAL PRESSURE STANDARD	TC16 - Pressure and Vacuum Measurements	Yuanchao Yang
IMEKO18-391	IMEKO18-OR-172	Oral	03-09-2018 1400	USING VOLATILE LIQUID FC-40 AS PRESSURE TRANSMITTING MEDIUM FOR PRESSURE GAUGE CALIBRATIONS	TC16 - Pressure and Vacuum Measurements	Hiroaki Kajikawa
IMEKO18-153	IMEKO18-OR-174	Oral	03-09-2018 1400	Metrological Characterization of Non-Rotating Low-Pressure Piston-Cylinder Unit System	TC16 - Pressure and Vacuum Measurements	Yasin Durgut
TC17 Time: 1400-1530 Room: TBC Chair: Prof. Zafar Taqvi Co-Chair: Prof. EM Yvan Baudoin						
New-TC17-2	IMEKO18-OR-280	Oral	03-09-2018 1400	UNMANNED GROUND AND AERIAL ROBOTS SUPPORTING MINE ACTION ACTIVITIES	TC17 - Measurements in Robotics	P Yvan Baudoin
New-TC17-1	IMEKO18-OR-279	Oral	03-09-2018 1400	Optimized learning by artificial neural network for inspection of heating equipment with infrared sensor data	TC17 - Measurements in Robotics	T Pham
IMEKO18-425	IMEKO18-OR-183	Oral	03-09-2018 1400	USE OF FACTOR ANALYSIS IN PATTERN RECOGNITION	TC17 - Measurements in Robotics	Jaromir Volf
IMEKO18-349	IMEKO18-OR-184	Oral	03-09-2018 1400	BIPEDAL WALKING BASED ON BODY DYNAMICS USING PHASE OSCILLATOR: ROBUSTNESS AGAINST GENTLE ASCENT	TC17 - Measurements in Robotics	Tetsuya Kinugasa
IMEKO18-638	IMEKO18-OR-185	Oral	03-09-2018 1400	DUAL MODE OPTICAL MEASUREMENT SENSOR FOR 3D SURFACE RECONSTRUCTION AND CRACK DETECTION	TC17 - Measurements in Robotics	Tiago Pinto
TC5 Session 1 Time: 1400-1530 Room: TBC Chair: Koichiro Hattori Co-Chair: Alessandro Germak						
IMEKO18-336	IMEKO18-OR-072	Oral	03-09-2018 1400	STUDY OF IMPROVED NATIONAL PRIMARY STANDARD MACHINE ON ROCKWELL AND SUPER-ROCKWELL SCALES	TC5 - Hardness Measurement	Andrey Aslanyan
IMEKO18-479	IMEKO18-OR-073	Oral	03-09-2018 1400	PROTOTYPE OF DEPTH STANDARD FOR ELASTOMER HARDNESS TESTER	TC5 - Hardness Measurement	Kittisun Mongkolsuttirat
IMEKO18-248	IMEKO18-OR-074	Oral	03-09-2018 1400	THE COMPRESSION BAR TIMING INSTRUMENT FOR TESTING CYCLE CALIBRATION OF ROCKWELL HARDNESS TESTING MACHINE	TC5 - Hardness Measurement	Montree Pakkratoke
IMEKO18-205	IMEKO18-OR-076	Oral	03-09-2018 1400	CURRENT STATE OF ROCKWELL HARDNESS IN THE WORLD	TC5 - Hardness Measurement	Takeshi Sawa
IMEKO18-176	IMEKO18-OR-078	Oral	03-09-2018 1400	TRIAL OF LOW-TEMPERATURE AND HIGH-TEMPERATURE HARDNESS TESTING USING THE SMALL-BALL REBOUND TEST ENM3A10	TC5 - Hardness Measurement	Takashi Yamamoto
TC22 Session 1 Time: 1400-1530 Room: TBC Chair: Dr Gustavo P Ripper Co-Chair: Qiao Sun						
IMEKO18L-801	IMEKO18-OR-224	Oral	04-09-2018 1100	PRELIMINARY COMPARISON ON SEISMOMETER FREQUENCY RESPONSE FOLLOWING ISO 16063-11 CALIBRATION BY PRIMARY MEANS	TC22 - Vibration Measurement	Claire Bartoli
IMEKO18-259	IMEKO18-OR-225	Oral	04-09-2018 1100	PRIMARY SHOCK CALIBRATION OF ACCELEROMETERS AT INMETRO	TC22 - Vibration Measurement	Gustavo Ripper
IMEKO18L-709	IMEKO18-OR-226	Oral	04-09-2018 1100	A NOVEL LOW FREQUENCY VIBRATION MEASUREMENT METHOD BASED ON SINGLE CAMERA	TC22 - Vibration Measurement	Ming Yang
IMEKO18L-707	IMEKO18-OR-227	Oral	04-09-2018 1100	AN ENHANCED DISTRIBUTED ACOUSTIC SENSING SYSTEM BASED ON THE INTERACTIONS BETWEEN MICROSTRUCTURES	TC22 - Vibration Measurement	Yinxin Zhang
IMEKO18-489	IMEKO18-OR-228	Oral	04-09-2018 1100	UNCERTAINTY EVALUATION FOR SINGLE-AXIS INTERFEROMETRIC FIBRE OPTIC GYROSCOPE	TC22 - Vibration Measurement	Zhe Fan
IMEKO18-401	IMEKO18-OR-229	Oral	04-09-2018 1100	PRIMARY HIGH ACCELERATION CALIBRATION SYSTEM AT NIM	TC22 - Vibration Measurement	Chenguang Cai
OFSIS Session 2 Time: 1600-1800 Room: Studio Chair: PZhi Zhou Co-Chair: George Chen						
IMEKO18L-704	IMEKO18-OR-256	Oral	03-09-2018 1600	BRILLOUIN OPTICAL TIME-DOMAIN ANALYSIS AT A HIGH SAMPLING RATE (INVITED)	OFSIS	Yongkang Dong
IMEKO18-698	IMEKO18-OR-253	Oral	03-09-2018 1600	RECENT ADVANCES IN LONG-RANGE HIGH-RESOLUTION OPTICAL REFLECTOMETRY	OFSIS	Xinyu Fan
IMEKO18L-749	IMEKO18-OR-274	Oral	03-09-2018 1600	HIGH SENSITIVITY HOT-WIRE BASED WIND VELOCITY SENSOR USING CO-DOPED FIBER AND FIBER BRAGG GRATING FOR USE IN MINING APPLICATIONS	OFSIS	Zhen Li
IMEKO18-420	IMEKO18-OR-255	Oral	03-09-2018 1600	OPTICAL FIBER-BASED INTELLIGENTIZATION FOR CIVIL INFRASTRUCTURES	OFSIS	Zhi Zhou
IMEKO18-690	IMEKO18-OR-275 IMEKO18-PO-232	Oral	03-09-2018 1600	CHARACTERISTICS OF FEW-MODE FIBRE AND ITS APPLICATION IN SIMULTANEOUS STRAIN AND TEMPERATURE MEASUREMENT	OFSIS	Chenxu Lu
TC9 / S&A Session 1 Time: 1600-1800 Room: TBC Chair: Marc de Huu Co-Chair: Elsa Batista						
IMEKO18L-720	IMEKO18-OR-258	Oral	03-09-2018 1600	EXPERIMENTAL DESIGN OF A SYSTEM TO INVESTIGATE CHAOTIC DRIPPING	S & A	Andy Augousti
IMEKO18L-768	IMEKO18-OR-259	Oral	03-09-2018 1600	DESIGN AND TEST FIRING OF A DUAL BIDIRECTIONAL DOUBLE VORTEX BI-PROPELLANT ROCKET ENGINE	S & A	Andy Augousti
IMEKO18-417	IMEKO18-OR-116	Oral	03-09-2018 1600	EXPERIMENTAL INVESTIGATION ON THERMAL MASS GAS METER WITH COMPONENT VARIATIONS OF NATURE GAS	TC9 - Flow Measurement	Wei Wang
IMEKO18-395	IMEKO18-OR-117	Oral	03-09-2018 1600	Flow measurement of oil-in-water flows in vertical low flow rate and high water-cut flow conditions	TC9 - Flow Measurement	Ningde Jin
IMEKO18-136	IMEKO18-OR-119	Oral	03-09-2018 1600	STUDY ON THE HIGH-PRESSURE GAS FLOW MEASUREMENT SYSTEM OF ORIFICE USED IN ROCKET	TC9 - Flow Measurement	Wang Huilong
IMEKO18-528	IMEKO18-OR-121	Oral	03-09-2018 1600	ALGORITHMIC METHOD FOR VORTEX FLOWMETERS MEASUREMENT ACCURACY IMPROVEMENT	TC9 - Flow Measurement	Kristina Alsheva
IMEKO18-630	IMEKO18-OR-122	Oral	03-09-2018 1600	VALIDATION OF SIMULATIONS IN MULTIPHASE FLOW METROLOGY BY COMPARISON WITH EXPERIMENTAL VIDEO OBSERVATIONS	TC9 - Flow Measurement	Marc Olbrich
TC14 Session 1 Time: 1600-1800 Room: TBC Chair: Dr Andre Schaefer Co-Chair: TBC						
IMEKO18-521	IMEKO18-OR-155	Oral	03-09-2018 1600	GENERATING IDEAL REFERENCE GEOMETRY FOR CUTTING EDGES	TC14 - Measurements of Geomaterial Quantities	Abdullah Karatas

IMEKO18-327	IMEKO18-OR-156	Oral	03-09-2018 1600	DYNAMIC SENSOR POSITIONING IN LARGE MEASURING VOLUMES BY AN INVERSE KINEMATIC CONCEPT	TC14 - Measurements of Geomaterial Quantities	Ingo Ortlepp
IMEKO18-257	IMEKO18-OR-157	Oral	03-09-2018 1600	INFLUENCE OF SCHEIMPFLUG CONDITION ON MEASUREMENTS OF A SCANNING LASER LINE SENSOR FOR 3D IMAGING	TC14 - Measurements of Geomaterial Quantities	Johannes Schlarp
IMEKO18-433	IMEKO18-OR-160	Oral	03-09-2018 1600	COMPUTER AIDED EXPLANATION OF GEOMETRICAL TOLERANCING	TC14 - Measurements of Geomaterial Quantities	Zbigniew Humienny
IMEKO18-591	IMEKO18-OR-163	Oral	03-09-2018 1600	REAL-TIME CORRECTION OF SELF-HEATING EFFECT OF MINCO SPRTS IN GAUGE BLOCK CALIBRATION AT KRIS	TC14 - Measurements of Geomaterial Quantities	Chu-Shik Kang
IMEKO18-697	IMEKO18-OR-164	Oral	03-09-2018 1600	IN-PROCESS MEASUREMENT OF RESIN'S CURING DEGREE IN MICRO-STEREOLITHOGRAPHY USING INTERNAL REFLECTION AT CRITICAL ANGLE	TC14 - Measurements of Geomaterial Quantities	Deqing Kong
IMEKO18-518	IMEKO18-OR-165	Oral	03-09-2018 1600	SURFACE ROUGHNESS DETECTION BY SPIN HALL EFFECT OF LIGHT WITH SUB-NANOMETER RESOLUTION	TC14 - Measurements of Geomaterial Quantities	Yasuhiro Mizutani
TC7 Session 1 Time: 1600-1800 Room: TBC Chair: Dr Eric Benoit Co-Chair: Professor Elisabeth Costa Monteiro						
IMEKO18-223	IMEKO18-OR-086	Oral	03-09-2018 1600	AN APPROACH TO EXPRESS MEASUREMENT RESULTS IN ONTOLOGIES OF FACTS	TC7 - Measurement Science	Eric Benoit
IMEKO18-252	IMEKO18-OR-094	Oral	03-09-2018 1600	TOWARD A PROBABILISTIC THEORY OF THE MEASURING SYSTEM	TC7 - Measurement Science	Giovanni Rossi
IMEKO18-154	IMEKO18-OR-103	Oral	03-09-2018 1600	THE FORMAL DEVELOPMENT OF A RELATIVE MEASUREMENT	TC7 - Measurement Science	Kenneth Krechmer
IMEKO18-355	IMEKO18-OR-092	Oral	03-09-2018 1600	INTERVAL DATA FUSION WITH PREFERENCE AGGREGATION IN WIRELESS SENSOR NETWORK: ENERGY-ACCURACY TRADE-OFF IN PRESENCE OF OUTLIERS	TC7 - Measurement Science	Sergey Muravyov
IMEKO18-468	IMEKO18-OR-087	Oral	03-09-2018 1600	METROLOGY ASPECTS IN CYBER-PHYSICAL SYSTEMS	TC7 - Measurement Science	Marat Konkanov
IMEKO18L-799	IMEKO18-OR-088	Oral	03-09-2018 1600	METROLOGY CHALLENGES OF INDUSTRY 4.0	TC7 - Measurement Science	Kseniia Sapozhnikova
IMEKO18-266	IMEKO18-OR-098	Oral	03-09-2018 1600	PITFALLS IN SURVEY MEASUREMENTS OF ECONOMIC PARAMETERS	TC7 - Measurement Science	Philip Thomas
TC12 Session 1 Time: 1600-1800 Room: TBC Chair: Prof Graham Machin Co-Chair: Dolores Del Campo Maldonado						
IMEKO18-324	IMEKO18-OR-141	Oral	03-09-2018 1600	ON THE REDEFINITION OF THE KELVIN	TC12 - Temperature and Thermal Measurements	Andrea Peruzzi
IMEKO18-701	IMEKO18-OR-143	Oral	03-09-2018 1600	THERMODYNAMIC MEASUREMENTS OF ZN AND AL FREEZING TEMPERATURES USING AN INGAAS-BASED, NEAR-INFRARED RADIATION THERMOMETER 3 (NIRT3)	TC12 - Temperature and Thermal Measurements	Howard Yoon
IMEKO18-444	IMEKO18-OR-145	Oral	03-09-2018 1600	SIZE-OF-SOURCE (SSE) EFFECT OF BROADBAND AND INTERFERENCE FILTERS FOR DOUBLE WAVELENGTH THERMOMETERS	TC12 - Temperature and Thermal Measurements	Humbet Nasibli
IMEKO18-286	IMEKO18-OR-147	Oral	03-09-2018 1600	AUTOMATICALLY EMISSIVITY-COMPENSATED RADIATION THERMOMETRY	TC12 - Temperature and Thermal Measurements	Daisuke Terada
IMEKO18-597	IMEKO18-OR-148	Oral	03-09-2018 1600	ALUMINIUM FIXED-POINT CELLS FOR THERMODYNAMIC TEMPERATURE ASSIGNMENT	TC12 - Temperature and Thermal Measurements	Mohamed Sadli
IMEKO18-276	IMEKO18-OR-266	Oral	03-09-2018 1600	INVESTIGATION ON THE MELTING AND FREEZING BEHAVIOURS OF PURE SI CELL FOR THERMOCOUPLE CALIBRATION	TC12 - Temperature and Thermal Measurements	Yong-Gyoo Kim
TC21 Special Session - Dynamic Measurement Time: 1600-1800 Room: TBC Chair: Dr Sascha Eichstaedt Co-Chair: Dr Thomas Bruns						
IMEKO18-586	IMEKO18-OR-210	Oral	03-09-2018 1600	DYNAMIC MEASUREMENT AND ITS RELATION TO METROLOGY, MATHEMATICAL THEORY AND SIGNAL PROCESSING: A REVIEW	TC21 - Mathematical Tools for Measurements	Sascha Eichstädt
IMEKO18-372	IMEKO18-OR-209	Oral	03-09-2018 1600	A SMART SENSOR CONCEPT FOR TRACEABLE DYNAMIC MEASUREMENTS	TC21 - Mathematical Tools for Measurements	Thomas Bruns
IMEKO18-616	IMEKO18-OR-218	Oral	03-09-2018 1600	FROM NONDYNAMIC ERRORS TO DYNAMIC ERRORS - A STRUCTURAL DEPLOYMENT	TC21 - Mathematical Tools for Measurements	Karl H. Ruhm
IMEKO18L-779	IMEKO18-OR-219	Oral	03-09-2018 1600	COMBINING EXPERIMENTS FOR LINEAR DYNAMIC NETWORK IDENTIFICATION IN THE PRESENCE OF NONLINEARITIES	TC21 - Mathematical Tools for Measurements	Maarten Schoukens
TC4 Session 1 Time: 1600-1800 Room: TBC Chair: Prof Dominique Dallet Co-Chair: Dusan Agrez						
IMEKO18-364	IMEKO18-OR-048	Oral	03-09-2018 1600	NOVEL FAST ANGLE MAGNETIC SENSOR - FAMAS	TC4 - Measurement of Electrical Quantities	Dragana Popovic Renella
IMEKO18L-802	IMEKO18-OR-049	Oral	03-09-2018 1600	ON THE IMPORTANCE OF MAGNETIC MATERIAL CHARACTERIZATION FOR THE DESIGN OF PARTICLE ACCELERATOR MAGNETS	TC4 - Measurement of Electrical Quantities	Alessandro Parrella
IMEKO18L-805	IMEKO18-OR-050	Oral	03-09-2018 1600	A ROTATING-COIL MAGNETOMETER FOR THE SCANNING OF TRANSVERSAL FIELD HARMONICS IN PARTICLE ACCELERATOR	TC4 - Measurement of Electrical Quantities	Gianni Caiafa
IMEKO18-446	IMEKO18-OR-051	Oral	03-09-2018 1600	INTRODUCTION AND PROGRESS IN THE EMPIR PROJECT TRACEPQM: TRACEABILITY ROUTES FOR ELECTRIC POWER QUALITY MEASUREMENTS	TC4 - Measurement of Electrical Quantities	Damir Ilić
IMEKO18-494	IMEKO18-OR-052	Oral	03-09-2018 1600	NON-INTRUSIVE ELECTRICAL APPLIANCES IDENTIFICATION USING WAVELET TRANSFORM ANALYSIS	TC4 - Measurement of Electrical Quantities	Piotr Bilski
IMEKO18-371	IMEKO18-OR-053	Oral	03-09-2018 1600	ESTIMATION OF IMPEDANCE USING QUOTIENTS OF THE AMPLITUDE DFT COEFFICIENTS	TC4 - Measurement of Electrical Quantities	Dušan Agrež
IMEKO18-346	IMEKO18-OR-054	Oral	03-09-2018 1600	ELECTRICAL IMPEDANCE TOMOGRAPHY SPECTROSCOPY FOR ICE AND WATER MIXTURES	TC4 - Measurement of Electrical Quantities	Juliana Padilha Leitzke
TUESDAY 4TH SEPTEMBER 2018						
OFSIS Session 3 Time: 1100-1230 Room: Studio Chair: Xinyu Fan Co-Chair: Qiang Wu						
IMEKO18L-721	IMEKO18-OR-247	Oral	04-09-2018 1100	EFFICIENT DIGITAL SIGNAL PROCESS STRATEGY FOR TDLAS GAS DETECTION	OFSIS	Bo Cai
IMEKO18-699	IMEKO18-OR-257	Oral	04-09-2018 1100	RECENT PROGRESS IN ADVANCED HUMIDITY SENSORS	OFSIS	George Chen
IMEKO18L-760	IMEKO18-OR-246	Oral	04-09-2018 1100	SINGLEMODE-MULTIMODE-SINGLEMODE FIBRE STRUCTURE FOR PHASE TRANSITION MONITORING IN PHASE CHANGING MATERIALS	OFSIS	Qiang Wu
IMEKO18L-739	IMEKO18-OR-245	Oral	04-09-2018 1100	FIBRE OPTICAL SENSORS FOR HARSH GAS TURBINE ENVIRONMENTS	OFSIS	Ralf Pechstedt
TC4 Session 2 Time: 1100-1230 Room: TBC Chair: Janusz Mindykowski Co-Chair: Damir Ilic						
IMEKO18-681	IMEKO18-OR-055	Oral	04-09-2018 1100	TOWARDS A METROLOGY CLASS ADC BASED ON JOSEPHSON JUNCTIONS	TC4 - Measurement of Electrical Quantities	Raymond Allan Belcher
IMEKO18-148	IMEKO18-OR-056	Oral	04-09-2018 1100	A 2-CHANNEL DIGITIZER BASED ON MFP STRATEGY	TC4 - Measurement of Electrical Quantities	Mauro D'Arco
IMEKO18-538	IMEKO18-OR-057	Oral	04-09-2018 1100	SENSITIVITY LIMITS COMPARISON OF SURFACE RESISTANCE MEASUREMENTS BASED ON DIELECTRIC LOADED RESONATORS	TC4 - Measurement of Electrical Quantities	Andrea Alimenti
IMEKO18-460	IMEKO18-OR-058	Oral	04-09-2018 1100	A SET-UP FOR STATIC AND DYNAMIC CHARACTERIZATION OF VOLTAGE AND CURRENT TRANSDUCERS USED IN RAILWAY APPLICATION	TC4 - Measurement of Electrical Quantities	Daniele Gallo
IMEKO18-453	IMEKO18-OR-059	Oral	04-09-2018 1100	THE INTRINSIC SURFACE IMPEDANCE OF COATED CONDUCTORS	TC4 - Measurement of Electrical Quantities	Nicola Pompeo
IMEKO18-329	IMEKO18-OR-060	Oral	04-09-2018 1100	AN EMPIRICAL DYNAMIC MODEL OF HALL-EFFECT SENSORS	TC4 - Measurement of Electrical Quantities	Marco Crescentini
TC3 Session 2 - Mass Time: 1100-1230 Room: TBC Chair: Dr. Maria Nieves Medina Martín Co-Chair: Zoltan Zelenka						
IMEKO18-165	IMEKO18-OR-034	Oral	04-09-2018 1100	REDUCTION OF TYPE A NOISE IN THE NIST MAGNETIC SUSPENSION MASS COMPARATOR	TC3 - Measurement of Force, Mass and Torque	Corey Stambaugh
IMEKO18-261	IMEKO18-OR-037	Oral	04-09-2018 1100	CALIBRATION OF AUTOMATIC CATCHWEIGHING INSTRUMENTS IN DYNAMIC MODE OF OPERATION	TC3 - Measurement of Force, Mass and Torque	Matej Grum
IMEKO18-531	IMEKO18-OR-041	Oral	04-09-2018 1100	STATISTICAL PROCESS CONTROL TO MONITOR THE IMPACTS OF EXTRAORDINARY CALIBRATIONS RESULT ON THE MASS DISSEMINATION	TC3 - Measurement of Force, Mass and Torque	Renanta Hayu
IMEKO18-393	IMEKO18-OR-044	Oral	04-09-2018 1100	THE NON-CONTACT PRECISION MEASUREMENT FOR SPHERICAL METROLOGY TANK	TC3 - Measurement of Force, Mass and Torque	Jintao Wang
IMEKO18-445	IMEKO18-OR-045	Oral	04-09-2018 1100	VACUUM TRANSFER EQUIPMENT FOR M-ONE	TC3 - Measurement of Force, Mass and Torque	Jian Wang
IMEKO18-603	IMEKO18-OR-046	Oral	04-09-2018 1100	INVESTIGATION OF TWO METHODS OF VOLUME MEASUREMENTS BASED ON HYDROSTATIC COMPARISON METHOD	TC3 - Measurement of Force, Mass and Torque	Ruilin Zhong
TC12 Session 2 / TC11 Time: 1100-1230 Room: TBC Chair: Davor Zvizdic Co-Chair: Andrea Merlone						
IMEKO18L-789	IMEKO18-OR-136	Oral	04-09-2018 1100	AIR TEMPERATURE MEASUREMENT CHALLENGES IN PRECISION METROLOGY	TC12 - Temperature and Thermal Measurements	Michael De Podesta
IMEKO18-623	IMEKO18-OR-142	Oral	04-09-2018 1100	MULTI-SENSOR APPROACH TO ESTIMATE THE THERMO-HYGROMETRIC COMFORT USING NEW TEXTILES AND DESIGNS IN CYCLING CLOTHES	TC12 - Temperature and Thermal Measurements	Abraham Mejia-Aguilar

IMEKO18-185	IMEKO18-OR-144	Oral	04-09-2018 1100	THE EUROPEAN METROLOGY PROGRAMME FOR INNOVATION AND RESEARCH PROJECT: IMPLEMENTING THE NEW KELVIN 2 (INK2)	TC12 - Temperature and Thermal Measurements	Graham Machin
IMEKO18-486	IMEKO18-OR-265	Oral	04-09-2018 1100	CALIBRATION INTERVAL OF STANDARD PLATINUM RESISTANCE THERMOMETERS IN A RANGE BETWEEN 0 °C AND 419 °C	TC12 - Temperature and Thermal Measurements	Seung-Nam Park
IMEKO18-125	IMEKO18-OR-288	Oral	04-09-2018 1100	EFFECT OF ELECTRICAL ANNEALING TO THE INHOMOGENEITY IMPROVEMENT OF TYPE-S THERMOCOUPLES	TC12 - Temperature and Thermal Measurements	Beni Trisna
IMEKO18-284	IMEKO18-OR-140	Oral	04-09-2018 1100	REDUCING THE CIPM MRA WORKLOAD: CASE STUDY FOR THE CONTACT THERMOMETRY AND HYGROMETRY FIELDS	TC11 - Metrological Infrastructures	Andrea Peruzzi
TC21 Session 1 - Dynamic Measurement Time: 1100-1230 Room: TBC Chair: Karl Ruhm Co-Chair: Professor Alexander Shestakov						
IMEKO18-394	IMEKO18-OR-203	Oral	04-09-2018 1100	OPTIMAL DYNAMIC MEASUREMENTS IN PRESENCE OF RANDOM INTERFERENCE	TC21 - Mathematical Tools for Measurements	Alyona Zamyshlyayeva
IMEKO18-244	IMEKO18-OR-204	Oral	04-09-2018 1100	OPTIMAL ADJUSTMENT OF CORRECTION DEVICE OF MEASURING TRANSDUCER WITH PARTIALLY KNOWN CHARACTERISTICS OF SIGNALS	TC21 - Mathematical Tools for Measurements	Olga Ibrayeva
IMEKO18-566	IMEKO18-OR-206	Oral	04-09-2018 1100	SPECTRAL AND TIME-DOMAIN DATA REPRESENTATIONS IN MEASUREMENTS	TC21 - Mathematical Tools for Measurements	Tatiana Siraya
IMEKO18L-741	IMEKO18-OR-220	Oral	04-09-2018 1100	GENERALIZED SOURCE-CONDITIONS AND UNCERTAINTY BOUNDS FOR DECONVOLUTION PROBLEMS	TC21 - Mathematical Tools for Measurements	Jacob Rezac
IMEKO18-635	IMEKO18-OR-212	Oral	04-09-2018 1100	DATA FUSION FOR ORGANIC ELECTRONIC MATERIAL PARAMETERS	TC21 - Mathematical Tools for Measurements	Louise Wright
IMEKO18-639	IMEKO18-OR-214	Oral	04-09-2018 1100	ALGORITHMS AND SOFTWARE FOR FITTING POLYNOMIAL FUNCTIONS CONSTRAINED TO PASS THROUGH THE ORIGIN	TC21 - Mathematical Tools for Measurements	Ian Smith
TC22 Session 2 Time: 1100-1230 Room: TBC Chair: Thomas Bruns Co-Chair: Thomas Bruns						
IMEKO18-132	IMEKO18-OR-231	Oral	04-09-2018 1400	COMPARISON OF LINEAR ACCELEROMETERS CALIBRATED BY PRECISE CENTRIFUGES	TC22 - Vibration Measurement	Qingzhong Li
IMEKO18-211	IMEKO18-OR-232	Oral	04-09-2018 1400	CALIBRATION OF ACCELEROMETER TEMPERATURE SENSITIVITY BY LASER INTERFEROMETER	TC22 - Vibration Measurement	Zhu Gang
IMEKO18-130	IMEKO18-OR-233	Oral	04-09-2018 1400	INVESTIGATION ON HIGH ROTATIONAL SPEED CALIBRATION DEVICE	TC22 - Vibration Measurement	Qiao Sun
IMEKO18-604	IMEKO18-OR-234	Oral	04-09-2018 1400	SEISMOMETER CALIBRATION USING A MULTI-COMPONENT ACCELERATION EXCITER	TC22 - Vibration Measurement	Leonard Klaus
IMEKO18-373	IMEKO18-OR-235	Oral	04-09-2018 1400	EFFICIENT CALIBRATION AND MODELLING OF CHARGE AMPLIFIERS FOR DYNAMIC MEASUREMENTS	TC22 - Vibration Measurement	Thomas Bruns
IMEKO18-556	IMEKO18-OR-236	Oral	04-09-2018 1400	A METHOD FOR HIGH SHOCK ACCELEROMETER CALIBRATION COMPARISON USING A 2-DOF-MODEL	TC22 - Vibration Measurement	Henrik Volkers
TC10 Session 1 Time: 1100-1230 Room: TBC Chair: Prof Marcantonio Catelani Co-Chair: Dr. Lorenzo Ciani						
IMEKO18-598	IMEKO18-OR-126	Oral	04-09-2018 1100	THE ELECTRONIC COMPONENT AUTHENTICITY VERIFICATION	TC10 - Technical Diagnostics	Petr Neumann
IMEKO18-140	IMEKO18-OR-128	Oral	04-09-2018 1100	COMPACT WIRELESS ICE DETECTION SYSTEM WITH ELECTRODE USED AS ANTENNA	TC10 - Technical Diagnostics	Stocksreiter Wolfgang
IMEKO18-269	IMEKO18-OR-129	Oral	04-09-2018 1100	MONITORING OF THE ELECTRICAL RESISTANCE OF A THREE PHASE MACHINE APPLIED FOR THE VEHICLE	TC10 - Technical Diagnostics	Eduard Bakhach
IMEKO18-570	IMEKO18-OR-130	Oral	04-09-2018 1100	ANALYTICALLY REDUNDANCY BASED IFDI SCHEME FOR SEMI-ACTIVE SUSPENSION SYSTEMS IN MOTORCYCLE	TC10 - Technical Diagnostics	Paolo Sommella
IMEKO18-207	IMEKO18-OR-135	Oral	04-09-2018 1100	INDIRECT MEASUREMENT AND DIAGNOSTICS OF THE TOOL WEAR FOR CERAMICS MICRO-MILLING OPTIMISATION	TC10 - Technical Diagnostics	Zsolt János Dr. Viharos
TC2 Session 1 Time: 1400-1530 Room: TBC Chair: Professor Maik Rosenberger Co-Chair: Professor Yuri Chugui						
IMEKO18-523	IMEKO18-OR-016	Oral	04-09-2018 14:00	EDGE POSITION OF OBJECT IMAGE IN PROJECTING NONINVARIANT COHERENT OPTICAL SYSTEM	TC2 - Photonics	Yuri Chugui
IMEKO18-461	IMEKO18-OR-008	Oral	04-09-2018 14:00	A FARADAY-EFFECT MAGNETIC STRIPE SCANNER	TC2 - Photonics	Bernhard Zagar
IMEKO18-298	IMEKO18-OR-027	Oral	04-09-2018 14:00	THE MAGNETO-OPTICAL RESPONSE OF TWO FARADAY CRYSTALS FROM MATSEY: A CASE STUDY	TC2 - Photonics	José Hiram Espina Hernández
IMEKO18-303	IMEKO18-OR-007	Oral	04-09-2018 14:00	SOURCES OF ERROR IN A FARADAY MAGNETOMETER FOR MAGNETIC MICROSTRUCTURE ANALYSIS	TC2 - Photonics	Ruben Piepgras
IMEKO18L-790	IMEKO18-OR-014	Oral	04-09-2018 14:00	ESTIMATION OF THE ASPECT-RATIO DISTRIBUTION IN CHEMICALLY SYNTHESIZED GOLD NANORODS SOLUTION USING UV-VISIBLE ABSORPTION SPECTROSCOPY	TC2 - Photonics	Rahul Kumar
IMEKO18-358	IMEKO18-OR-029	Oral	04-09-2018 14:00	3D MODEL BASED SHADING CORRECTION FOR THE ENHANCEMENT OF MULTISPECTRAL COLOUR MEASUREMENT ACCURACY	TC2 - Photonics	Chen Zhang
PTB/TC3 Special Session - Torque Measurement in the MN-m Range Time: 1400-1530 Room: TBC Chair: Professor Maik Rosenberger Co-Chair: Professor Yuri Chugui						
IMEKO18-667	IMEKO18-OR-009	Oral	04-09-2018 1400	INVESTIGATIONS TOWARDS EXTRAPOLATION APPROACHES FOR TORQUE TRANSDUCER CHARACTERISTICS	TC3 - Measurement of Force, Mass and Torque	Paula Weidinger
IMEKO18-241	IMEKO18-OR-262	Oral	04-09-2018 1400	SIMULATION METHOD FOR THE CHARACTERISATION OF THE TORQUE TRANSDUCERS IN MN-M RANGE	TC3 - Measurement of Force, Mass and Torque	Stefan Kock
IMEKO18-575	IMEKO18-OR-284	Oral	04-09-2018 1400	MEASUREMENT UNCERTAINTY ESTIMATION OF A NOVEL TORQUE TRANSDUCER FOR WIND TURBINE TEST BENCHES	TC3 - Measurement of Force, Mass and Torque	Jonas Gnauert
IMEKO18-195	IMEKO18-OR-261	Oral	04-09-2018 1400	A finite element analysis of effects on force lever systems under nacelle test bench conditions	TC3 - Measurement of Force, Mass and Torque	Gisa Foyer
IMEKO18-454	IMEKO18-PO-031	Oral	04-09-2018 1400	DEVELOPMENT OF STUDY OF INFLUENCES IN CEM'S NEW TRANSFER STANDARDS FOR TORQUE MEASUREMENTS IN THE MN-M RANGE	TC3 - Measurement of Force, Mass and Torque	Raquel María Lorente
TC21 Session 2 - Uncertainty and Statistics Time: 1400-1530 Room: TBC Chair: Professor Alistair Forbes Co-Chair: Dr Katsuhiro Shirono						
IMEKO18L-791	IMEKO18-OR-202	Oral	04-09-2018 1400	POSTERIOR DISTRIBUTIONS, SAMPLING DISTRIBUTIONS AND INTERLABORATORY COMPARISONS	TC21 - Mathematical Tools for Measurements	Alistair Forbes
IMEKO18-532	IMEKO18-OR-216	Oral	04-09-2018 1400	DESIGNING A MEASUREMENT PRECISION EXPERIMENT CONSIDERING DISTRIBUTION OF ESTIMATED PRECISION MEASURES	TC21 - Mathematical Tools for Measurements	Tomomichi Suzuki
IMEKO18-260	IMEKO18-OR-217	Oral	04-09-2018 1400	UNILATERAL DEGREE OF EQUIVALENCE MAXIMIZING THE POWER OF TEST IN AN ANALYSIS OF A REGIONAL METROLOGY ORGANIZATION KEY COMPARISON	TC21 - Mathematical Tools for Measurements	Katsuhiro Shirono
IMEKO18-680	IMEKO18-OR-215	Oral	04-09-2018 1400	ANALYSIS OF MEASUREMENT DATA SUBJECT TO ADDITIVE AND MULTIPLICATIVE EFFECTS	TC21 - Mathematical Tools for Measurements	Kavya Jagan
IMEKO18-215	IMEKO18-OR-222	Oral	04-09-2018 1400	TRUE VALUE AND UNCERTAINTY IN THE GUM	TC21 - Mathematical Tools for Measurements	Raghu Kacker
IMEKO18-449	IMEKO18-OR-270 IMEKO18-PO-208	Oral	04-09-2018 1400	Modeling Deterministic Equations in Discrete Bayesian Networks by Credal Networks	TC21 - Mathematical Tools for Measurements	Alessandro Antonucci
TC22 Session 3 Time: 1400-1530 Room: TBC Chair: Claire Bartoli Co-Chair: Chenguang Cai						
IMEKO18-620	IMEKO18-OR-237	Oral	04-09-2018 1400	VIBRATION TESTING TO ASSESS THE TRANSPORT BEHAVIOUR OF REFERENCE STANDARDS AND MOBILE SCIENTIFIC DEVICES	TC22 - Vibration Measurement	Leonard Klaus
IMEKO18-505	IMEKO18-OR-238	Oral	04-09-2018 1400	EMERGING ALTERNATIVE TO THE WELL-KNOWN LS2P MICROPHONES	TC22 - Vibration Measurement	Maria Enge
IMEKO18L-719	IMEKO18-OR-271 IMEKO18-PO-210	Oral	04-09-2018 1400	SHIFT DATA TO DISTINGUISH SPURIOUS MODES IN EIGENSYSTEM REALIZATION ALGORITHM	TC22 - Vibration Measurement	Chunxu Qu
IMEKO18-380	IMEKO18-OR-272 IMEKO18-PO-216	Oral	04-09-2018 1400	EXCITATION AND PROPAGATION OF ULTRASONIC GUIDED WAVES IN PIPES BY PIEZOELECTRIC TRANSDUCER ARRAYS	TC22 - Vibration Measurement	Xudong Niu
IMEKO18-660	NO FINAL PAPER	Oral	04-09-2018 1400	On the Calibration of Laser Heterodyne Velocimeters Using Shock Excitations and Total Distance Traveled	TC22 - Vibration Measurement	Michael Gaitan
TC14 Session 2 Time: 1400-1530 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18-163	IMEKO18-OR-162	Oral	04-09-2018 1400	HIGH PRECISION (ADVANCED) ANGLE METROLOGY: PUSHING THE LIMITS FOR NANORADIAN UNCERTAINTY DEMANDS	TC14 - Measurements of Geomaterial Quantities	Tanfer Yandayan
IMEKO18-335	IMEKO18-OR-166	Oral	04-09-2018 1400	IMPROVEMENT OF QUANTITATIVE DEPTH EVALUATION FOR DIFFRACTION-LIMITED MICROGROOVE USING LED LIGHT SOURCE	TC14 - Measurements of Geomaterial Quantities	Shiwei Ye
IMEKO18-177	IMEKO18-OR-167	Oral	04-09-2018 1400	DISPLACEMENT AND ANGLE MEASUREMENT BY LASER INTERFEROMETER WITH LCD	TC14 - Measurements of Geomaterial Quantities	Ryoshu Furutani
IMEKO18-288	IMEKO18-OR-168	Oral	04-09-2018 1400	DEVELOPMENT OF HIGHLY ACCURATE AND ROBUST ROUNDNESS MEASURING INSTRUMENT	TC14 - Measurements of Geomaterial Quantities	Hideki Morii
IMEKO18-544	IMEKO18-OR-169	Oral	04-09-2018 1400	SIMULTANEOUS DISTANCE MEASUREMENT AT MULTIPLE WAVELENGTHS USING THE INTERMODE BEATS FROM A COHERENT SUPERCONTINUUM	TC14 - Measurements of Geomaterial Quantities	David Salido Monzú
TC4 Session 3 Time: 1400-1530 Room: TBC Chair: Alexandru Salceanu Co-Chair: Prof Pasquale Daponte						
IMEKO18-450	IMEKO18-OR-061	Oral	04-09-2018 1400	THE DEVICE FOR SIMULTANEOUSLY ACCURACY TESTING OF CURRENT TRANSFORMERS	TC4 - Measurement of Electrical Quantities	Dragana Naumovic Vukovic

IMEKO18-496	IMEKO18-OR-062	Oral	04-09-2018 1400	PERFORMANCE COMPARISON OF NUCLEAR MAGNETIC RESONANCE AND FERRIMAGNETIC RESONANCE FIELD MARKERS FOR LOW-FIELD CONTROL OF THE CERN ELENA RING	TC4 - Measurement of Electrical Quantities	Christian Grech
IMEKO18-618	IMEKO18-OR-063	Oral	04-09-2018 1400	UNCERTAINTY SOURCES ANALYSIS OF A CALIBRATION SYSTEM FOR THE ACCURACY VS. TEMPERATURE VERIFICATION OF VOLTAGE TRANSFORMERS	TC4 - Measurement of Electrical Quantities	Alessandro Mingotti
IMEKO18-594	IMEKO18-OR-064	Oral	04-09-2018 1400	A METHOD FOR THE MEASUREMENT OF DIGITIZERS' ABSOLUTE PHASE ERROR	TC4 - Measurement of Electrical Quantities	Mario Luiso
IMEKO18-589	IMEKO18-OR-065	Oral	04-09-2018 1400	CALIBRATION OF CURRENT TRANSFORMERS IN DISTORTED CONDITIONS	TC4 - Measurement of Electrical Quantities	Mario Luiso
TC2 Session 2 Time: 1600-1800 Room: TBC Chair: Dr Marco Pisani Co-Chair: Professor Bernhard Zagar						
IMEKO18-625	IMEKO-OR-291	Oral	04-09-2018 16:00	Application of fiber Bragg grating sensors and a fiber optic laser Doppler vibrometer for hypervelocity impacts	TC2 - Photonics	
IMEKO18-485	IMEKO18-OR-012	Oral	04-09-2018 16:00	PROGRESS OF WHITE LIGHT INTERFERENCE PROFILOMETRY BY USING ATOMICALLY SMOOTH MIRROR	TC2 - Photonics	Evgeny Sysoev
IMEKO18-348	IMEKO18-OR-028	Oral	04-09-2018 16:00	RESOURCE EFFICIENT WHITE LIGHT INTERFEROMETRY ALGORITHM FOR NON-EQUIDISTANT SAMPLING STEPS	TC2 - Photonics	Tobias Scholz
IMEKO18L-738	IMEKO18-OR-282	Oral	04-09-2018 16:00	STABILITY OF GRAPHENE OXIDE ENCAPSULATED GOLD NANORODS FOR OPTICAL SENSING PURPOSES	TC2 - Photonics	Rahul Kumar
IMEKO18-628	IMEKO18-OR-031	Oral	04-09-2018 16:00	FPGA-accelerated Phase Rectification for a Stereo-based Phase Measuring Profilometry System	TC2 - Photonics	Christina Junger
IMEKO18-217	IMEKO18-OR-006	Oral	04-09-2018 16:00	WAVEFRONT MEASUREMENT BASED FEEDBACK CONTROL FOR AUTOMATIC ALIGNMENT OF A HIGH-NA OPTICAL SYSTEM	TC2 - Photonics	Martin Fuerst
IMEKO18-374	IMEKO18-OR-032	Oral	04-09-2018 16:00	G-LAS: A RING LASER GYROSCOPE FOR HIGH ACCURACY ANGLE MEASUREMENTS	TC2 - Photonics	Marco Pisani
TC7 Session 2 - Measurement and New Production Scenarios Time: 1600-1800 Room: TBC Chair: Professor Roman Morawski Co-Chair: Dr Kseniia Sapozhnikova						
IMEKO18-568	IMEKO18-OR-081	Oral	04-09-2018 1600	MEASURING AND EVALUATING INNOVATION MANAGEMENT IN SMALL AND MEDIUM ENTERPRISES: PROPOSITION OF A MULTICRITERIA MODEL FOR SELECTING INDICATORS AND METRICS	TC7 - Measurement Science	Maria Almeida
IMEKO18L-758	IMEKO18-OR-082	Oral	04-09-2018 1600	PRESSURE TRANSDUCER BASED ON THE PHASE CHARACTERISTICS OF GMI EFFECT FOR MEASURING THE ARTERIAL PULSE WAVE	TC7 - Measurement Science	Elisabeth Costa Monteiro
IMEKO18-337	IMEKO18-OR-090	Oral	04-09-2018 1600	UNDERWATER CALIBRATION OF HYDROPHONES AT VERY LOW FREQUENCIES FROM 30 HZ TO 2 KHZ	TC7 - Measurement Science	Shan Cui
IMEKO18-500	IMEKO18-OR-091	Oral	04-09-2018 1600	METROLOGY IN THE FUTURE: TWO SCENARIOS FOR METHODOLOGY AND INDUSTRY	TC7 - Measurement Science	Valerii Granovskii
IMEKO18-627	IMEKO18-OR-096	Oral	04-09-2018 1600	TOWARDS WIRELESS TECHNOLOGY FOR SAFETY CRITICAL SYSTEMS	TC7 - Measurement Science	Ahmad Kharaz
IMEKO18-191	IMEKO18-OR-276	Oral	04-09-2018 1600	Pilot study on calibration of micropipettes using the photometric method	TC7 - Measurement Science	E Batista
IMEKO18L-706	IMEKO18-OR-287	Oral	04-09-2018 1600	COMPARISON OF SENSITIVITY MATRIX CALCULATION METHODS FOR MAGNETIC PERMEABILITY EMT BASED ON TMR	TC7 - Measurement Science	Chao Wang
TC3 Session 3 - Force Measurement Time: 1600-1800 Room: TBC Chair: Dr. Yon-Kyu Park Co-Chair: Dr. Alessandro Germak						
IMEKO18-271	IMEKO18-OR-010	Oral	04-09-2018 1600	CALIBRATION OF A 30 MN MATERIAL TESTING MACHINE ACCORDING TO ISO 7500-1 USING A FORCE-TRANSDUCER BUILD-UP SYSTEM	TC3 - Measurement of Force, Mass and Torque	Falk Tegtmeier
IMEKO18-167	IMEKO18-OR-033	Oral	04-09-2018 1600	MAGNETIC FIELD INFLUENCE IN DEADWEIGHT FORCE STANDARD MACHINES: A PRACTICAL CASE	TC3 - Measurement of Force, Mass and Torque	Nieves Medina
IMEKO18-238	IMEKO18-OR-035	Oral	04-09-2018 1600	GRAVITATIONAL FORCES BETWEEN WEIGHTS IN FORCE STANDARD MACHINES - SIMPLIFIED ANALYTICAL AND NUMERICAL APPROACHES	TC3 - Measurement of Force, Mass and Torque	Dirk Röske
IMEKO18-234	IMEKO18-OR-036	Oral	04-09-2018 1600	Bridge Amplifier Linearity Investigation with a Cascaded Inductive Voltage Divider Setup	TC3 - Measurement of Force, Mass and Torque	Marc Florian Beug
IMEKO18-285	IMEKO18-OR-038	Oral	04-09-2018 1600	COMPARISON RESULTS BETWEEN PTB AND CIMM ON THE FORCE TRANSDUCER CALIBRATION UNDER SINUSOIDAL LOADING	TC3 - Measurement of Force, Mass and Torque	Yu Wang
IMEKO18-334	IMEKO18-OR-040	Oral	04-09-2018 1600	EVALUATION OF MULTI-DIMENSIONAL FORCE MEASUREMENT APPARATUS USING ZERO-COMPLIANCE PRINCIPLE IN MICRO FORCE	TC3 - Measurement of Force, Mass and Torque	Md Helal An Nahiyhan
IMEKO18-392	IMEKO18-OR-043	Oral	04-09-2018 1600	PERFORMANCE INVESTIGATION OF NIM'S SMALL FORCE DEVICE BASED ON ELECTROSTATIC FORCE PRINCIPLE	TC3 - Measurement of Force, Mass and Torque	Gang Hu
TC5 Session 2 Time: 1600-1800 Room: TBC Chair: Renato Reis Machado Co-Chair: Febo Menelao						
IMEKO18-375	IMEKO18-OR-070	Oral	04-09-2018 1600	COMPARISON BETWEEN TENSILE PROPERTIES AND INDENTATION PROPERTIES MEASURED WITH VARIOUS SHAPES INDENTERS OF COPPER-CHROMIUM-ZIRCONIUM ALLOY AT MACROSCALE LEVEL	TC5 - Hardness Measurement	Alessandro Schiavi
IMEKO18-254	IMEKO18-OR-071	Oral	04-09-2018 1600	CORRECTION OF SQUARENESS MEASUREMENTS OF VICKERS INDENTERS DUE TO THE TILT OF THE PYRAMID AXIS	TC5 - Hardness Measurement	Andrea Prato
IMEKO18-300	IMEKO18-OR-080	Oral	04-09-2018 1600	DETERMINATION OF HR45N TEST CYCLE SENSITIVITY COEFFICIENTS	TC5 - Hardness Measurement	Renato Machado
IMEKO18-299	IMEKO18-OR-069	Oral	04-09-2018 1600	DETERMINATION OF TEST CYCLE SENSITIVITY COEFFICIENTS FOR THE ROCKWELL HRA HARDNESS SCALE	TC5 - Hardness Measurement	Samuel Low
IMEKO18-297	IMEKO18-OR-068	Oral	04-09-2018 1600	TECHNIQUE TO REDUCE BENDING ISSUES IN ROCKWELL B SCALE HARDNESS REFERENCE BLOCKS: PRELIMINARY RESULTS	TC5 - Hardness Measurement	Samuel Low
IMEKO18-565	IMEKO18-OR-079	Oral	04-09-2018 1600	PRACTICAL POINTS OF BRINELL INDENTATION DIAMETER MEASUREMENT USING OPTICAL MICROSCOPE	TC5 - Hardness Measurement	Koichiro Hattori
IMEKO18-162	IMEKO18-OR-077	Oral	04-09-2018 1600	VICKERS HARDNESS MEASUREMENT BY USING CONVOLUTIONAL NEURAL NETWORK	TC5 - Hardness Measurement	Yukimi Tanaka
TC18 Time: 1600-1800 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18-645	IMEKO18-OR-186	Oral	04-09-2018 1600	MEASURING PAIN	TC18 - Measurement of Human Functions	Felipe Reitz
IMEKO18-230	IMEKO18-OR-187	Oral	04-09-2018 1600	FINGER ANGLE ESTIMATION USING MUSCULOSKELETAL MODEL ON THUMB AND INDEX FINGER	TC18 - Measurement of Human Functions	Sorawit Stapornchaisit
IMEKO18-504	IMEKO18-OR-188	Oral	04-09-2018 1600	AUTONOMOUS INTERACTIVE PHYSICAL CARING BY FLEXIBLE DATA FLOW MANAGEMENT	TC18 - Measurement of Human Functions	Satoshi Kasuga
IMEKO18-502	IMEKO18-OR-190	Oral	04-09-2018 1600	DYNAMIC WALKING FIELD ESTIMATION BY PEDESTRIANS FLOW MEASUREMENT	TC18 - Measurement of Human Functions	Akira Higuchi
IMEKO18-569	IMEKO18-OR-191	Oral	04-09-2018 1600	ANKLE MOMENT MEASUREMENT IN BIOMECHANICS	TC18 - Measurement of Human Functions	Francesco Crenna
IMEKO18-377	IMEKO18-OR-192	Oral	04-09-2018 1600	HUMAN PERFORMANCE MODELLING FOR ADAPTIVE AUTOMATION	TC18 - Measurement of Human Functions	Maurice Wilkins
TC13 Time: 1600-1800 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18-236	IMEKO18-OR-149	Oral	04-09-2018 1600	THE ROLE OF THE MEASUREMENT UNCERTAINTY AND ERROR IN THE BLOOD PRESSURE MEASUREMENT	TC13 - Measurements in Biology and Medicine	Bruno Rodrigues Filho
IMEKO18-221	IMEKO18-OR-150	Oral	04-09-2018 1600	COMPARISON OF THREE LEAST-SQUARES METHODS FOR FUSION OF DATA FROM RADAR AND DEPTH SENSORS APPLIED FOR PERSONS' MONITORING	TC13 - Measurements in Biology and Medicine	Pawel Mazurek
IMEKO18-664	IMEKO18-OR-151	Oral	04-09-2018 1600	PALLIATIVE CARE MANAGEMENT SYSTEM	TC13 - Measurements in Biology and Medicine	Ronald Summers
IMEKO18-682	IMEKO18-OR-152	Oral	04-09-2018 1600	NON-INVASIVE REAL-TIME IN-VIVO MONITORING OF INSULIN ABSORPTION FROM SUBCUTANEOUS TISSUES	TC13 - Measurements in Biology and Medicine	Nicola Moccaldi
IMEKO18-582	IMEKO18-OR-153	Oral	04-09-2018 1600	SINGLE-CHANNEL, STEADY STATE VISUAL EVOKED POTENTIAL-BASED BRAIN COMPUTER INTERFACE: A PROOF OF PRINCIPLE FOR BIOMEDICAL DAILY USE	TC13 - Measurements in Biology and Medicine	Deborah Casinelli
WEDNESDAY 5TH SEPTEMBER 2018						
TC19 Time: 1100-1230 Room: TBC Chair: Prof Aimé Lay-Ekuakille Co-Chair: Sabino Maggi						
IMEKO18-648	IMEKO18-OR-189	Oral	05-09-2018 1100	WIRELESS NETWORK FOR LOW-COST AIR QUALITY MEASUREMENT	TC19 - Environmental Measurements	Paolo Sommella
IMEKO18-315	IMEKO18-OR-193	Oral	05-09-2018 1100	DETERMINATION OF OVERALL SELF-HEATING OF AUTOMATIC WEATHER STATIONS	TC19 - Environmental Measurements	Peter Pavlasek
IMEKO18-617	IMEKO18-OR-194	Oral	05-09-2018 1100	MULTICRITERIA DECISION METHODS APPLIED TO THE SELECTION AND HIERARCHY OF CAMPUS SUSTAINABILITY INDICATORS OF A HIGHER EDUCATION INSTITUTION	TC19 - Environmental Measurements	Maria Almeida

IMEKO18L-777	IMEKO18-OR-195	Oral	05-09-2018 1100	AUTOMATIC PROCESSING OF BIOCLIMATIC DATA IN THE SPACE AND TIME DOMAINS	TC19 - Environmental Measurements	Sabino Maggi
TC4 Session 4 / TC11 Time: 1100-1230 Room: TBC Chair: Prof Pedro Ramos Co-Chair: Jose James						
IMEKO18-562	IMEKO18-OR-138	Oral	05-09-2018 1100	MULTI-FINGER HAPTICS ENHANCED VIRTUAL INSTRUMENT INTERFACES	TC11 - Metrological Infrastructures	Jose James
IMEKO18-581	IMEKO18-OR-066	Oral	05-09-2018 1100	PERFORMANCE EVALUATION OF AN ENERGY METER FOR LOW-VOLTAGE SYSTEM MONITORING	TC4 - Measurement of Electrical Quantities	Alessandro Mingotti
IMEKO18-572	IMEKO18-OR-067	Oral	05-09-2018 1100	BANDWIDTH ENHANCEMENT IN HALL PROBE BY X-HALL DC BIASING	TC4 - Measurement of Electrical Quantities	Marco Crescentini
New-TC4-2	IMEKO18-OR-281	Oral	05-09-2018 1100	Analog Multiplication in Random Demodulation Analog-to-Information Converters	TC4 - Measurement of Electrical Quantities	Pasquale Daponte
IMEKO18-599	IMEKO18-OR-286	Oral	05-09-2018 1100	A NOVEL FREQUENCY DOMAIN MULTIHARMONIC SIGNAL ESTIMATOR	TC4 - Measurement of Electrical Quantities	Vilmos Pálfi
TC21 Session 3 - Applications Time: 1100-1230 Room: TBC Chair: Louise Wright Co-Chair: Dr Nien-Fan Zhang						
IMEKO18-273	IMEKO18-OR-221	Oral	05-09-2018 1100	USING STATISTICAL MODELS IN ESTIMATING ERROR RATES FOR FORENSIC FIREARM IDENTIFICATION	TC21 - Mathematical Tools for Measurements	Nien F. Zhang
IMEKO18-593	IMEKO18-OR-213	Oral	05-09-2018 1100	GENERALIZATION OF PROFILE TEXTURE PARAMETERS FOR ADDITIVELY MANUFACTURED SURFACES	TC21 - Mathematical Tools for Measurements	Luca Pagani
IMEKO18-403	IMEKO18-OR-207	Oral	05-09-2018 1100	MATHEMATICAL TOOLS FOR OPTIMIZATION OF ENERGY CONSUMPTION IN WIRELESS SENSOR NETWORKS	TC21 - Mathematical Tools for Measurements	Marija Cundeva-Blajer
IMEKO18-560	IMEKO18-OR-211	Oral	05-09-2018 1100	FRACTIONAL-ORDER SYSTEM IDENTIFICATION IN MASSIVE MIMO SYSTEMS	TC21 - Mathematical Tools for Measurements	Mzabalazo Lupupa
IMEKO18-228	IMEKO18-OR-208	Oral	05-09-2018 1100	OPTIMISATION OF REGULARISATION METHODS FOR DIFFERENTIATION OF MEASUREMENT DATA IN MONITORING OF HUMAN MOVEMENTS	TC21 - Mathematical Tools for Measurements	Jakub Wagner
IMEKO18-347	IMEKO18-OR-205	Oral	05-09-2018 1100	CALCULATION OF COVERAGE INTERVALS FOR REPEATED MEASUREMENTS (BAYESIAN INFERENCE)	TC21 - Mathematical Tools for Measurements	Anna Chunovkina
NPL/InGaAs Detector Workshop Time: 1100-1230 Room: TBC Chair: Prof Graham Machin						
IMEKO18-225	IMEKO18-OR-139	Oral	05-09-2018 1100	TESTING IRRADIANCE AND RADIANCE METHODS FOR ABSOLUTE RADIATION THERMOMETRY BASED ON INGAAS DETECTORS IN THE NIR AT CEM/CSIC	TC12 - Temperature and Thermal Measurements	Jose Manuel Mantilla Amor
TC3 Session 4 - Force Measurement Time: 1100-1230 Room: TBC Chair: Andy Knott Co-Chair: Dr. Rafael Soares de Oliveira						
IMEKO18-323	IMEKO18-OR-047	Oral	05-09-2018 1100	MICROFORCE MEASUREMENTS - A NEW INSTRUMENT AT METAS	TC3 - Measurement of Force, Mass and Torque	Kilian Marti
IMEKO18-658	IMEKO18-OR-259	Oral	05-09-2018 1100	INDIRECT AND DIRECT TEMPERATURE CALIBRATION METHODOLOGY FOR A RHEOMETER USING A NEWTONIAN REFERENCE MATERIAL. COMPARISON OF VISCOSITY MEASUREMENTS OF A RHEOMETER AND A STABINGER VISCOMETER	TC3 - Measurement of Force, Mass and Torque	Andreia Furtado
IMEKO18-233	IMEKO18-OR-260	Oral	05-09-2018 1100	NEW DESIGN FOR A PRECISE, RADIIALLY SYMMETRIC SHEAR-BEAM REFERENCE SENSORS FOR COMPRESSIVE FORCE	TC3 - Measurement of Force, Mass and Torque	Thomas Kleckers
IMEKO18-253	IMEKO18-OR-283	Oral	05-09-2018 1100	MULTICOMPONENT FORCE TRANSDUCER CALIBRATION PROCEDURE USING TILTED PLATES	TC3 - Measurement of Force, Mass and Torque	Alessandro Germak
IMEKO18-168	IMEKO18-OR-285	Oral	05-09-2018 1100	DESIGN OF A CALIBRATION SETUP FOR THE DYNAMIC ANALYSIS OF MULTI	TC3 - Measurement of Force, Mass and Torque	Jan Nitsche
TC8 Time: 1100-1230 Room: TBC Chair: Dr Michela Segá Co-Chair: Professor Giovanni Rossi						
IMEKO18-600	IMEKO18-OR-108	Oral	05-09-2018 1100	THE USE OF DYNAMIC DILUTION BY MASS FLOW CONTROLLERS IN THE ENVIRONMENTAL MONITORING OF CO2: CALIBRATION ISSUES AND STRATEGIES	TC8 - Traceability in Metrology	Michela Segá
IMEKO18-255	IMEKO18-OR-109	Oral	05-09-2018 1100	LEGAL REQUIREMENTS FOR NAWIS: ARE THEY GOOD ENOUGH FOR CUSTOMERS' PROTECTION?	TC8 - Traceability in Metrology	Nieves Medina
IMEKO18-419	IMEKO18-OR-110	Oral	05-09-2018 1100	MASS STANDARDS MADE OF SILICON AND THEIR MACHINE-READABLE DIGITAL CALIBRATION CERTIFICATE	TC8 - Traceability in Metrology	Frank Härtig
IMEKO18-498	IMEKO18-OR-111	Oral	05-09-2018 1100	ACCURACY PROPORTION OF A MEASURING INSTRUMENT UNDER CALIBRATION AND A REFERENCE STANDARD HAVING BOTH PREDOMINANT RANDOM ERRORS	TC8 - Traceability in Metrology	Valerii Granovskii
IMEKO18L-792	IMEKO18-OR-263	Oral	05-09-2018 1100	UNCERTAINTY EVALUATION ON APERTURE AREA MEASUREMENT FOR RADIOMETRIC TRACEABILITY	TC8 - Traceability in Metrology	Pedro Costa
TC7 Session 3 - Advanced Measurement Methods Time: 1100-1230 Room: TBC Chair: Professor Sergey Muravyov Co-Chair: Dr Joao A Sousa						
IMEKO18L-767	IMEKO18-OR-089	Oral	05-09-2018 1100	APPLICATION OF NEURAL NETWORKS IN THE INSTRUMENT FOR MEASURING EXPECTED LISTENER'S EMOTIONS	TC7 - Measurement Science	Kseniia Sapozhnikova
IMEKO18-609	IMEKO18-OR-101	Oral	05-09-2018 1100	POWER MEASUREMENT IN MAXIMUM HEIGHT JUMP	TC7 - Measurement Science	Francesco Crenna
IMEKO18-325	IMEKO18-OR-099	Oral	05-09-2018 1100	DEVELOPMENT OF A MULTISENSOR ARRAY FOR LOCALIZING BATS IN SPACE	TC7 - Measurement Science	Klaus Hochradel
IMEKO18-673	IMEKO18-OR-107	Oral	05-09-2018 1100	UNCERTAINTY ANALYSIS OF THE MEAN RADIANT TEMPERATURE MEASUREMENT BASED ON GLOBE TEMPERATURE PROBES	TC7 - Measurement Science	Manuel Carlos Gameiro Da Silva
IMEKO18L-803	IMEKO18-OR-083	Oral	05-09-2018 1100	MODELING AND METROLOGICAL ANALYSIS OF CRYSTAL-ASSISTED COLLIMATION IN PARTICLE ACCELERATORS	TC7 - Measurement Science	Simone Gargiulo
IMEKO18-322	IMEKO18-OR-095	Oral	05-09-2018 1100	ACCURACY IMPROVEMENT OF ROTATIONAL SPEED SENSORS BY NOVEL SIGNAL PROCESSING METHOD	TC7 - Measurement Science	Cheng Liu
TC7 Special Session: Measurement - Social Sciences Time: 1400-1600 Room: TBC Chair: Professor Mark Wilson Co-Chair: Dr William Fisher						
IMEKO18-267	IMEKO18-OR-084	Oral	05-09-2018 1400	THE SCIENCE IN HUMAN SCIENCE RESEARCH: THE CASE FOR RASCH MEASUREMENT IN LEARNING ENVIRONMENT RESEARCH	TC7 - Measurement Science	Robert Cavanagh
IMEKO18-128	IMEKO18-OR-085	Oral	05-09-2018 1400	ON AN IDENTITY BETWEEN THE GAUSSIAN AND RASCH MEASUREMENT ERROR DISTRIBUTIONS: MAKING THE ROLE OF THE INSTRUMENT	TC7 - Measurement Science	David Andrich
IMEKO18-634	IMEKO18-OR-097	Oral	05-09-2018 1400	PATIENT-CENTRED COGNITION METROLOGY	TC7 - Measurement Science	Stefan Cano
IMEKO18-656	IMEKO18-OR-100	Oral	05-09-2018 1400	MEETING FEYNMAN: BRINGING LIGHT INTO THE BLACK BOX OF SOCIAL MEASUREMENT	TC7 - Measurement Science	Thomas Salzberger
IMEKO18L-762	IMEKO18-OR-102	Oral	05-09-2018 1400	ON THE COMPLEX GEOMETRY OF INDIVIDUALITY AND GROWTH: COOK'S 1914 "CURVES OF LIFE" AND READING MEASUREMENT	TC7 - Measurement Science	William Fisher
IMEKO18-438	IMEKO18-OR-104	Oral	05-09-2018 1400	ON THE EXISTENCE OF GENERAL PROPERTIES AS A PROBLEM OF MEASUREMENT SCIENCE	TC7 - Measurement Science	Andrew Maul
IMEKO18-462	IMEKO18-OR-093	Oral	05-09-2018 1400	AN ANALYSIS OF GOODHART'S LAW TOWARD A SHARED CONCEPTUAL FRAMEWORK OF MEASUREMENT ACROSS THE SCIENCES	TC7 - Measurement Science	Luca Mari
TC9 Session 2 Time: 1400-1600 Room: TBC Chair: Alvaro Silva Ribeiro Co-Chair: Ningde Jin						
IMEKO18-676	IMEKO18-OR-113	Oral	05-09-2018 1400	THE EUROPEAN RESEARCH PROJECT ON METROLOGY FOR HYDROGEN VEHICLES - METROHYVÉ	TC9 - Flow Measurement	Marc de Huu
IMEKO18-429	IMEKO18-OR-114	Oral	05-09-2018 1400	CONTROL OF PELLETS COATING IN A WURSTER TYPE FLUIDIZED BED BASED ON ELECTRICAL CAPACITANCE TOMOGRAPHY MEASUREMENT	TC9 - Flow Measurement	Hanqiao Che
IMEKO18-542	IMEKO18-OR-115	Oral	05-09-2018 1400	ADAPTIVE EMD BASED INDUCTION SIGNAL EXTRACTION OF ELECTROSTATIC SENSOR FOR PARTICLE VELOCITY MEASUREMENT	TC9 - Flow Measurement	Chao Wang
IMEKO18-390	IMEKO18-OR-118	Oral	05-09-2018 1400	EXPERIMENTAL INVESTIGATION ON THE OPTIMUM GEOMETRY OF AN S-TYPE PITOT TUBE FOR GHG EMISSION MONITORING	TC9 - Flow Measurement	Woong Kang
IMEKO18-351	IMEKO18-OR-120	Oral	05-09-2018 1400	EXPERIMENTAL STUDY OF LEAKAGE FLOW EFFECTS IN A CLEARANCE-SEALED PISTON PROVER	TC9 - Flow Measurement	Gregor Bobovnik
IMEKO18-199	IMEKO18-OR-124	Oral	05-09-2018 1400	CALIBRATION OF INFUSION PUMPS ANALYSER	TC9 - Flow Measurement	Elsa Batista
IMEKO18-258	IMEKO18-OR-264	Oral	05-09-2018 1400	CALIBRATION OF MULTI-CHANNEL PIPETTES USING GRAVIMETRIC METHOD IN ACCORDANCE WITH THE ISO 8655-6	TC9 - Flow Measurement	Raymond Leung
IMEKO18-333	IMEKO18-OR-123	Oral	05-09-2018 1400	MEASUREMENT UNCERTAINTY OF TURBINE FLOW METER CALIBRATION USED IN CONFORMITY ASSESSMENT FOR WATER MANAGEMENT	TC9 - Flow Measurement	Alvaro Ribeiro
TC20 Time: 1400-1600 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18L-755	IMEKO18-OR-196	Oral	05-09-2018 1400	PLASMONIC OPTICAL FIBRE SENSORS FOR ELECTROCHEMICAL ACTIVITIES MONITORING IN ENERGY STORAGE DEVICES	TC20 - Measurements of Energy and Related Quantities	Tuan Guo
IMEKO18-555	IMEKO18-OR-197	Oral	05-09-2018 1400	FLICKER MEASUREMENT OF BURNER FLAMES THROUGH ELECTROSTATIC SENSING AND SPECTRAL ANALYSIS	TC20 - Measurements of Energy and Related Quantities	Yong Yan
IMEKO18-625	IMEKO18-OR-198	Oral	05-09-2018 1400	CALORIFIC VALUE OF BIOMETHANE: COMPARATIVE MEASUREMENTS WITH REFERENCE GAS CALORIMETERS	TC20 - Measurements of Energy and Related Quantities	Jürgen Rauch

IMEKO18-247	IMEKO18-OR-199	Oral	05-09-2018 1400	ANALYSIS OF THE TURBULENT FLOW STRUCTURE IN A JET STIRRED REACTOR USING PROPER ORTHOGONAL DECOMPOSITION	TC20 - Measurements of Energy and Related Quantities	Holger Grosshans
IMEKO18-193	IMEKO18-OR-200	Oral	05-09-2018 1400	PARTICLE SIZE ESTIMATION OF PULVERIZED FUEL IN PNEUMATIC PIPELINES USING ELECTROSTATIC SENSING TECHNIQUES	TC20 - Measurements of Energy and Related Quantities	Yong Yan
IMEKO18L-742	IMEKO18-OR-201	Oral	05-09-2018 1400	VISUALISATION AND MEASUREMENT OF FLAMES IN A GAS-FIRED MULTI-BURNER BOILER	TC20 - Measurements of Energy and Related Quantities	Gang Lu
IMEKO18-360	IMEKO18-OR-268	Oral	05-09-2018 1400	MEASURING THE IMPACT OF UTILITY SERVICES FOR A SMART CITY INFRASTRUCTURE	TC20 - Measurements of Energy and Related Quantities	
IMEKO18-561	IMEKO18-OR-269	Oral	05-09-2018 1400	DATA ANALYSIS OF ENERGY SURVEYS BY PREFERENCE AGGREGATION METHOD	TC20 - Measurements of Energy and Related Quantities	Sergey Muravyov
TC16 Session 2 Time: 1400-1600 Room: TBC Chair: Dr Jay H Hendricks Co-Chair: Dr Tokihiko Kobata						
IMEKO18-272	IMEKO18-OR-178	Oral	05-09-2018 1400	DYNAMIC CHARACTERISATION OF PRESSURE TRANSDUCERS USING SHOCK TUBE METHODS	TC16 - Pressure and Vacuum Measurements	Andy Knott
IMEKO18-506	IMEKO18-OR-171	Oral	05-09-2018 1400	A STUDY ON CHARACTERIZATION OF IMPULSES PRESSURE GENERATOR BY A DROP WEIGHT METHOD	TC16 - Pressure and Vacuum Measurements	In-Mook Choi
IMEKO18-509	IMEKO18-OR-175	Oral	05-09-2018 1400	DEVELOPMENT OF DYNAMIC CALIBRATION MACHINE FOR PRESSURE TRANSDUCERS	TC16 - Pressure and Vacuum Measurements	Yasin Durgut
IMEKO18-344	IMEKO18-OR-176	Oral	05-09-2018 1400	OPTIMAL DIMENSIONS OF CONNECTING TUBES FOR DYNAMIC MEASUREMENTS OF PRESSURE	TC16 - Pressure and Vacuum Measurements	Andrej Svetec
IMEKO18-467	IMEKO18-OR-177	Oral	05-09-2018 1400	THE EFFECT OF HEAT CONDUCTION ON THE PISTON-IN-CYLINDER DYNAMIC PRESSURE GENERATOR	TC16 - Pressure and Vacuum Measurements	Metka Štefe
IMEKO18-517	IMEKO18-OR-179	Oral	05-09-2018 1400	DYNAMIC SINE CALIBRATION OF PRESSURE TRANSDUCERS	TC16 - Pressure and Vacuum Measurements	Thomas Platte
IMEKO18-579	IMEKO18-OR-267	Oral	05-09-2018 1400	DEVELOPMENT OF MEASUREMENT AND CALIBRATION TECHNIQUES FOR DYNAMIC PRESSURES AND TEMPERATURES (DYNPT): BACKGROUND AND OBJECTIVES OF THE 17IND07 DYNPT PROJECT IN THE EUROPEAN METROLOGY PROGRAMME FOR INNOVATION AND RESEARCH (EMPIR)	TC16 - Pressure and Vacuum Measurements	Sari Saxholm
TC1 Time: 1400-1600 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18-649	IMEKO18-OR-001	Oral	05-09-2018 1400	EDUCATION & TRAINING IN MULTI- AND HYPERSPECTRAL MEASUREMENT ENGINEERING AND QUALITY ASSURANCE	TC1 - Education and Training in Measurement and Instrumentation	Raik Illmann
IMEKO18-564	IMEKO18-OR-005	Oral	05-09-2018 1400	PROJECT BASED LEARNING FOR METROLOGY EDUCATION USING REVERSE ENGINEERING	TC1 - Education and Training in Measurement and Instrumentation	Tiago Pinto
IMEKO18-376	IMEKO18-OR-011	Oral	05-09-2018 1400	SPEEDING-UP SCIENTIFIC KNOWLEDGE TRANSFER AND IMPROVEMENT OF CAPABILITIES OF EMERGING EUROPEAN NATIONAL METROLOGY INSTITUTES AND DESIGNATED INSTITUTES IN THE FIELD OF THERMAL MEASUREMENTS: BENEFITS AND IMPACTS	TC1 - Education and Training in Measurement and Instrumentation	Dubhailtch MacLochlainn
IMEKO18L-727	IMEKO18-OR-021	Oral	05-09-2018 1400	COHERENTLY CONNECTING COMPUTER AND INFORMATION LITERACY CLASSROOM AND ACCOUNTABILITY ASSESSMENTS	TC1 - Education and Training in Measurement and Instrumentation	William Fisher
IMEKO18L-725	IMEKO18-OR-022	Oral	05-09-2018 1400	CONNECTING LEARNING OPPORTUNITIES IN STEM EDUCATION: ECOSYSTEM COLLABORATIONS ACROSS SCHOOLS, MUSEUMS, LIBRARIES, EMPLOYERS, AND COMMUNITIES	TC1 - Education and Training in Measurement and Instrumentation	William Fisher
IMEKO18-574	IMEKO18-OR-023	Oral	05-09-2018 1400	CHARACTERIZATION AND CORRECTION OF MULTISPECTRAL RESOLVING FILTER-ON-CHIP CMOS-SENSOR-SYSTEMS FOR SHAPE, COLOR AND COMPOSITION MEASUREMENTS	TC1 - Education and Training in Measurement and Instrumentation	Paul-Gerald Dittrich
IMEKO18-576	IMEKO18-OR-024	Oral	05-09-2018 1400	A ROCKET EXPERIMENT FOR MEASUREMENT SCIENCE EDUCATION	TC1 - Education and Training in Measurement and Instrumentation	Lisa-Marie Faller
IMEKO18-629	IMEKO18-OR-025	Oral	05-09-2018 1400	KNOWLEDGE MANAGEMENT STRATEGIES IN A NATIONAL METROLOGY INSTITUTE	TC1 - Education and Training in Measurement and Instrumentation	Miruna Dobre
IMEKO18-432	IMEKO18-OR-026	Oral	05-09-2018 1400	CRITICAL ANALYSIS OF CALIBRATION AND MEASUREMENT CAPABILITIES (CMC) PRESENTED IN ACCREDITATION SCOPES	TC1 - Education and Training in Measurement and Instrumentation	Sueli Fischer Beckert
THURSDAY 6TH SEPTEMBER 2018						
TC3 Session 5 / TC15 - Torque Measurement Time: 1200-1330 Room: TBC Chair: Dr. Koji Ogushi Co-Chair: Dr. Dirk Röske						
IMEKO18-650	IMEKO18-OR-170	Oral	06-09-2018 1200	INFRARED OPTOELECTRONIC DEVICE FOR COUNTING AND MEASURING VELOCITY OF ABRASIVE SPONGE BALLS USED AS CLEANING ARTEFACTS IN HEAT EXCHANGERS	TC15 - Experimental Mechanics	Mauricio Frota
IMEKO18-607	IMEKO18-OR-002	Oral	06-09-2018 1200	METROLOGICAL COMPETENCE CENTER FOR WINDENERGY	TC3 - Measurement of Force, Mass and Torque	Frank Härtig
IMEKO18-352	IMEKO18-OR-020	Oral	06-09-2018 1200	METROLOGICAL CHARACTERIZATION OF A 20 N·M TORQUE CALIBRATION STANDARD MACHINE AT PTB, GERMANY	TC3 - Measurement of Force, Mass and Torque	Christian Schlegel
IMEKO18-409	IMEKO18-OR-042	Oral	06-09-2018 1200	ARM BALANCING EXPERIMENTS IN THE DEADWEIGHT TORQUE STANDARD MACHINE WITH ADJUSTABLE LEVER-ARM LENGTHS	TC3 - Measurement of Force, Mass and Torque	Min-Seok Kim
IMEKO18-229	IMEKO18-OR-018	Oral	06-09-2018 1200	"TM" TORQUE TRANSFER STANDARD WITH IMPROVED USABILITY FOR INTER-LABORATORY COMPARISONS	TC3 - Measurement of Force, Mass and Torque	André Dr. Schäfer
IMEKO18-314	IMEKO18-OR-017	Oral	06-09-2018 1200	SEPARATING ECCENTRICITY DEVIATION IN TRANSFER TORQUE WRENCH CALIBRATION	TC3 - Measurement of Force, Mass and Torque	Andreas Brüge
TC23 / TC24 Time: 1200-1330 Room: TBC Chair: TBC Co-Chair: TBC						
IMEKO18-551	IMEKO18-OR-240	Oral	06-09-2018 1200	QUANTIFICATION BY LC-MS/MS OF INDIVIDUAL SUGARS IN FRUIT JUICE CONSUMED IN PORTUGAL	TC23 - Metrology in Food and Nutrition	Isabel Castanheira
IMEKO18L-787	IMEKO18-OR-241	Oral	06-09-2018 1200	FEASIBILITY STUDIES FOR NEW FOOD MATRIX-REFERENCE MATERIALS	TC23 - Metrology in Food and Nutrition	Claudia Zoani
IMEKO18L-788	IMEKO18-OR-242	Oral	06-09-2018 1200	METROFOOD-RI: A NEW REALITY TO DEVELOP REFERENCE MATERIALS FOR THE AGRIFOOD SECTOR	TC23 - Metrology in Food and Nutrition	Giovanna Zappa
IMEKO18-484	IMEKO18-OR-243	Oral	06-09-2018 1200	DEVELOPMENT OF ISOTOPIC CERTIFIED REFERENCE MATERIALS BY METROLOGICAL APPROACH	TC24 - Chemical Measurements	Jun Wang
IMEKO18-459	IMEKO18-OR-244	Oral	06-09-2018 1200	VALIDATION OF A METHOD FOR QUANTIFICATION OF LEAD, CHROMIUM, MAGNESIUM, ZINC & COPPER IN HUMAN BLOOD AND SERUM USING ATOMIC ABSORPTION SPECTROMETRY	TC24 - Chemical Measurements	Randa Yamani
TC10 Session 2 Time: 1200-1330 Room: TBC Chair: Prof Marcantonio Catelani Co-Chair: Dr. Viharos Zsolt János						
IMEKO18L-735	IMEKO18-OR-125	Oral	06-09-2018 1200	K-MEANS CLUSTERING APPROACH FOR DAMAGE EVOLUTION MONITORING IN RCF TESTS	TC10 - Technical Diagnostics	Ileana Bodini
IMEKO18-687	IMEKO18-OR-127	Oral	06-09-2018 1200	IDENTIFICATION OF IMPERFECTIONS BY MEANS OF DYNAMIC RESPONSE	TC10 - Technical Diagnostics	Shota Urushadze
IMEKO18-683	IMEKO18-OR-131	Oral	06-09-2018 1200	RULES INDUCTION METHOD FOR THE DIAGNOSTICS OF ANALOG SYSTEMS	TC10 - Technical Diagnostics	Piotr Bilski
IMEKO18L-773	IMEKO18-OR-133	Oral	06-09-2018 1200	A FAST-ESTIMATION APPROACH TO MULTIPLE FREQUENCY EXCITATION FOR ONLINE ELECTROMAGNETIC RAIL DETECTION	TC10 - Technical Diagnostics	Yong Li
IMEKO18-590	IMEKO18-OR-134	Oral	06-09-2018 1200	GENERIC CAUSAL DETERMINATION OF THERMAL MODEL AND HEAT INPUT BY USING BACKWARD SIMULATOR	TC10 - Technical Diagnostics	Yukio Hiranaka