

SUNDAY, 26.06.2016

16:00 - 20:00	REGISTRATION at the Belvedere Hotel
18:30 - 22:00	Welcome party at the Witkacy Theatre

MONDAY, 27.06.2016

09:30 - 10:30	Room A
	Opening Ceremony
10:30 - 12:00	Coffee break & Poster Session I
	Room P
	Applications, Traceability and Dissemination
	P1.1 WIRELESS SYSTEM FOR REALTIME TEMPERATURE AND HUMIDITY MONITORING IN FREIGHTAGE SERVICES <i>S. Krutovtsev, M. Chuprin, Y. Sazhinev, O. Ivanova</i>
	P1.2 DEVELOPMENT OF THE EQUATIONS OF HEAT TRANSFER IN THE SYSTEM OF CALIBRATION OF THERMOMETERS BY FIXED POINTS <i>S. Martinez, L. Lira-Cortés</i>
	P1.3 A NOVEL RESPONSE TIME CONSTANT CALCULATION METHOD FOR TFTC DYNAMIC CALIBRATION <i>J. Ding, M. Qi, T. Fröhlich, S. Yang, S. Ye</i>
	P1.4 THERMAL ERRORS OF PIPE CLAMP PROBES <i>M. Schalles, E. Mengs, T. Fröhlich, H. Bründl</i>
	P1.5 TEMPERATURE MEASUREMENT IN DISTRICT HEATING SYSTEMS – A TEST OF THE EFFECT OF HEAT SINK PASTE <i>S. Ljungblad, T. Franzén, M. Holmsten</i>
	P1.6 BEHAVIOUR OF SANDSTONES UNDER THERMAL LOAD <i>M. Keppert, J. Fořt, A. Trník, D. Koňáková, J. Pokorný, E. Vejmelková, P. Svora, Z. Pavlík, R. Černý</i>
	P1.7 TEMPERATURE MEASUREMENT PROBLEMS IN LARGE HELIUM CRYOGENIC SYSTEMS <i>M. Chorowski, J. Palinski</i>
	P1.8 IMPACT OF FREQUENCY OF LOAD CHANGES IN FATIGUE TESTS ON THE TEMPERATURE OF THE MODIFIED POLYMER <i>A. Komarek, P. Przybyłek, R. Szczepaniak</i>
	P1.9 HARMONIZING CRITERIA FOR EVALUATION OF SPANISH TEMPERATURE AND HUMIDITY CALIBRATION LABORATORIES <i>R. Benyon, D. del Campo, E. Gonzalez</i>
	P1.10 STRENGTHENING THE EUROPEAN TRACEABILITY AND DISSEMINATION IN THERMAL METROLOGY <i>J.-R. Filtz, B. Hay, N. Arifović, M. Sadli, G. Failleau, D. Mac Lochlainn, A. Blahut, J. Bojkovski, J. Drnovšek, N. Hodžić, L. Křazovická, N. Milošević, S. Simić, D. Šestán, R. Štrnad, E. Thurzó-András, D. Zvizdić</i>
	P1.11 MEASUREMENT RESULTS AND DRIFT ANALYSIS OF A RELATIVE HUMIDITY METER USED FOR TEMPERATURE RANGE, 5 °C TO 55 °C, AT THE NMISA <i>M. R. Mnguni</i>
10:30 - 12:00	P1.12 TEMPERATURE COMPARATOR BASED ON A PRESSURE CONTROLLED HEAT PIPE <i>S. Krenek, S. Rudtsch</i>
Poster Session I	P1.13 NEW SUBMERSED CHAMBER FOR CALIBRATION OF RELATIVE HUMIDITY INSTRUMENTS AT HMI/FSB-LPM <i>D. Šestán, D. Zvizdić, K. Sariri</i>
	P1.14 INVESTIGATION OF TRIPLE POINT OF IODINE AND Al-Cu EUTECTIC FIXED POINTS AT CMI <i>R. Štrnad, M. Šindelář</i>
	P1.15 COMPARISON SYSTEMATIZATION APPLIED TO BLACK BODIES FOR CALIBRATION LABORATORY <i>M. V. Viegas Pinto, N. Fiolatto, L. E. R. da Silva</i>
	P1.17 FIRST INTER-LABORATORY COMPARISON ON THE CALIBRATION OF TEMPERATURE ENCLOSURES IN TURKEY <i>A. Uytun, M. Kalemci</i>
	P1.18 COMPARISON OF CALIBRATION OF STANDARD PLATINUM RESISTANCE THERMOMETER BY COMPARISON IN TURKEY <i>N. Arifović</i>
	P1.19 INTERNATIONAL COMPARISON OF THE CALIBRATION OF 100 Ω PLATINUM RESISTANCE THERMOMETERS <i>D. del Campo, S. García, A. Velasquez, J. A. Medrano, A. Solano, H. Torres</i>
	P1.20 A COMPARISON OF THE MELTING TEMPERATURES OF TWO HIGH-TEMPERATURE FIXED POINT CELLS BETWEEN LNE-CNAM AND CEM <i>M. J. Martin, F. Bourson, M. Sadli, C. Garcia-Izquierdo</i>
	P1.21 A SPANISH NATIONAL COMPARISON OF RELATIVE HUMIDITY AND AIR TEMPERATURE SENSORS <i>T. Vicente, M. Rodriguez, F. Conde, L. De Rivas, P. Hernandez, J. De Lucas, R. Benyon</i>
	P1.23 REALIZATION OF TEMPERATURE ILCs IN THE PERIOD 2010-2014 DONE BY DMDM (SERBIA) <i>S. Simić, V. Stepanovic, S. Stanisavljević, A. Nikolic, J. Bojkovski</i>
	P1.24 AN INTER-LABORATORY COMPARISON OF INDUSTRIAL THERMOMETERS FROM -80 °C TO 1100 °C <i>L. Iacomini, F. Bertiglia, G. Braccialarghe</i>
	P1.25 REDUCING THE BURDEN OF HUMIDITY KEY COMPARISONS <i>S. Bell</i>
	P1.26 NUMERICAL AND EXPERIMENTAL EVALUATION OF TEMPERATURE GRADIENT OF A BATH CALIBRATION <i>D. Yamanaka, M. Castanho</i>
	P1.27 THE INFLUENCE OF DIFFERENT TIME RESPONSE ON CALIBRATION RESULTS IN COMPARATIVE METHOD <i>G. Wójcik</i>

MONDAY, 27.06.2016

10:30 - 12:00	Coffee break & Poster Session I			
10:30 - 12:00 Poster Session I	Room P			
	Humidity and Moisture			
	P1.28 IMPROVEMENT OF MOISTURE MEASUREMENTS FOR EGYPTIAN WOOD SAMPLES <i>D. Mohamed, N. El-sayed, K. El-sayed</i>			
	P1.29 DEVELOPMENT OF A WIRELESS TEMPERATURE/HUMIDITY SENSOR NODE THAT CAN BE PLACED IN OVENS <i>T. Tsujikawa, A. Morikawa, K. Kodama, T. Ozaki, H. Iyota</i>			
	P1.30 SORPTION/DESORPTION HYSTERESIS OF THIN-FILM HUMIDITY SENSORS BASED ON GRAPHENE OXIDES <i>S. W. Lee, B. Il Choi, J. C. Kim, S. B. Woo, Y. G. Kim, S. Y. Kwon</i>			
	P1.31 PORTABLE HUMIDITY CALIBRATOR THAT NEEDS NO ELECTRIC POWER <i>H. Takeda, K. Furubayashi</i>			
	Temperature Methods and Sensors			
	P1.33 CALIBRATION OF NTC-THERMISTORS MAY IMPOSE ITS-90 REVISION <i>G. Dragan</i>			
	P1.34 ACCURACY OF THE SIMULTANEOUS MEASUREMENTS OF TEMPERATURE AND TEMPERATURE DIFFERENCE WITH THE USE OF RTD SENSORS <i>Z. Warsza, A. Idzkowski</i>			
	P1.35 A SLIM-LINE INTEGRATED SELF-VALIDATING THERMOCOUPLE – INITIAL RESULTS <i>C. Elliott, A. Greenen, T. Ford, J. Pearce</i>			
P1.36 COMPARATIVE STUDY OF TWO INGAAS BASED REFERENCE RADIATION THERMOMETERS AT UME <i>H. Nasibov, O. Pehlivan, M. Kalemci</i>				
P1.37 NUMERICAL SIMULATION OF THE EXTERNAL INFLUENCES ON THE FIXED POINT MELTING BEHAVIOUR <i>T. Váchová, J. Kukal, R. Strnad</i>				
12:00 - 12:45	Room A			
	Chair: Francesco Righini			
Plenary Lecture THE DEFINITION OF THE KELVIN AND THE NEW SI: ITS RATIONALE, IMPLEMENTATION AND IMPLICATIONS <i>Michael de Podesta, National Physical Laboratory, UK</i>				
13:00 - 14:00	Lunch			
14:00 - 15:45 Oral Session I	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Thermophysical Quantities and SRMs	Humidity and Moisture	Temperature Methods and Sensors
	ITS-90 Fixed points (I)	Thermophysical Properties	Humidity and Moisture Standards (I)	Radiation thermometry (I) Blackbodies (I)
	Chair: Anatolii Pokhodun	Chair: Jean-Remy Filtz	Chair: Jan Nielsen	Chair: Mauro Battuello
	O1.1 A SYSTEMATIC EVALUATION OF IMPURITY CORRECTION METHODS IN ALUMINIUM FIXED-POINT CELLS <i>R. da Silva, J. Pearce, G. Machin</i>	O1.6 THERMOPHYSICAL PROPERTIES OF 5 INDUSTRIAL STEELS IN THE SOLID AND LIQUID PHASE <i>G. Pattlacher, B. Wilthan, W. Schützenhofer</i>	O1.11 DEFINING THE MEASURAND: CLARIFYING TERMS AND DEFINITIONS FOR MOISTURE METROLOGY <i>S. Bell</i>	O1.16 CONSTRUCTION AND CHARACTERIZATION OF A NEAR-INFRARED RADIATION THERMOMETER <i>H. Yaon, V. Khramchenko, T. Larason, J. Woodward, K. Lykke</i>
	O1.2 CALORIMETRIC MEASUREMENT OF THE LIQUIDUS POINT OF TIN USING A HYDRAULIC TEMPERATURE CONTROL METHOD <i>W. Joung, Y. G. Kim, K. S. Gam</i>	O1.7 THERMAL DIFFUSIVITY OF THE REFERENCE MATERIAL BCR ⁹ 724 FROM 200 K TO 1450 K <i>N. Milošević</i>	O1.12 PRIMARY STANDARD OF TRACE MOISTURE FOR ARGON GAS <i>M. Amano, H. Abe, I. Kishimoto</i>	O1.17 NOVEL TECHNIQUE TO MEASURE NON LINEARITY OF LINEARPYROMETER LP5 <i>E. Schreiber</i>
	O1.3 THE INFLUENCE OF IMPURITIES ON THE FREEZING POINT OF ZINC <i>S. Rudtsch</i>	O1.8 HIGH TEMPERATURE THERMAL CONDUCTIVITY MEASUREMENT APPARATUS BASED ON GUARDED HOT PLATE METHOD <i>E. Turzó-András, T. Magyarlaki</i>	O1.13 REVISION AND UPGRADE OF THE INRIM PRIMARY HUMIDITY STANDARD <i>D. Smorgan, L. Rosso, G. Beltramino, V. Ferricola</i>	O1.18 OPTIMISING BLACKBODY CAVITY SHAPE FOR UNIFORM INTEGRATED EMISSIVITY <i>P. Saunders</i>
	O1.4 EFFECT OF IMPURITIES ON THE FREEZING POINT OF ZINC <i>J. Sun, S. Rudtsch, J. Zhang, X. Wu</i>	O1.9 CHARACTERISATION OF HIGH-TEMPERATURE THERMAL CONDUCTIVITY REFERENCE MATERIALS <i>J. Wu, R. Morrell, C. Allen, T. Fry, D. Gohil, P. Mildeova, E. Turzó-András, A. Blahut, U. Hammerschmidt, J. Hameury</i>	O1.14 A NEW PRIMARY DEW-POINT GENERATOR AT TUBITAK UME <i>S. O. Aytakin, N. Karaböce, M. Heinonen, H. Sairanen</i>	O1.19 VACUUM RADIANCE TEMPERATURE STANDARD FACILITY FOR INFRARED REMOTE SENSING AT NIM <i>X. Hao, J. Song, M. Xu, J. Sun, L. Gong, Z. Yuan</i>
	O1.5 LIQUIDUS SLOPES FOR IMPURITIES IN ITS-90 FIXED POINTS <i>J. Pearce, J. Gisby</i>	O1.10 MEASUREMENT OF METHANE CALORIFIC VALUE USING METAL BURNER <i>J. Lee, S. Kwon, Y. Kim</i>	O1.15 DEVELOPMENT OF THE VSL HIGH TEMPERATURE DEWPOINT GENERATOR OVER THE PAST 15 YEARS <i>R. Bosma, J. Nielsen, A. Peruzzi</i>	O1.20 A COMPARISON OF BLACKBODY CAVITIES IN THE RANGE FROM -30 °C TO 150 °C <i>I. Pušnik, S. Boles, D. Mac Lochlainn, D. Fleming</i>

MONDAY, 27.06.2016

15:45 - 16:45	Coffee break & Poster Session II
	Room P
	Fundamental Aspects and Standards
	P2.1 CONSTRUCTION AND EVALUATION OF HOME-MADE ZINC FREEZING POINT CELLS AT TUBITAK UME <i>M. Kalemci, A. Bagce, A. Ince</i>
	P2.3 REALIZATION OF THE MERCURY TRIPLE POINT USING A LOW TEMPERATURE HEAT PIPE <i>X. Yan, P. Qiu, W. Wang, W. Liu</i>
	P2.4 THE TRIPLE POINTS OF Xe, C2F6 AND SF6: PRELIMINARY REALIZATION AT LNE-CNAM <i>F. Sparasci, L. Pitre, A. Vergé, B. Buée, A. Kowal, B. Kolodziej</i>
	P2.5 IMPURITY CORRECTION TECHNIQUES APPLIED TO EXISTING DOPING MEASUREMENTS OF IMPURITIES IN ZINC <i>J. Pearce, J. Sun, X. Deng</i>
	P2.6 PROGRESS REPORT ON THE COOPERATION BETWEEN NMJ AND PTB ON ZINC POINT CELLS <i>J. Widiatmo, S. Rudtsch, K. Yamazawa</i>
	Thermal Quantities
	P2.7 TEST OF A TRANSIENT LINE HEAT SOURCE TO MEASURE THERMAL RESISTIVITY OF INSULATING MATERIALS <i>R. Campbell, D. Cobos, G. Campbell</i>
	P2.8 DESIGN GUIDELINE FOR HIGH-TEMPERATURE GUARDED HOT-PLATE <i>J. Wu, J. Hameury, E. Turzó-Andrés, U. Hammerschmidt, E. Rafeld, M. Krause, A. Blahut, T. Vachova, R. Strnad</i>
	P2.9 EFFECTS OF BERYLLIUM AND COMPACTION PRESSURE ON THE THERMAL DIFFUSIVITY OF URANIUM DIOXIDE FUEL PELLETS <i>D. Camarano, F. Mansur, A. M. Santos, W. Ferraz, R. Ferreira</i>
	P2.10 INVESTIGATION OF THERMAL DIFFUSIVITY AND SPECIFIC HEAT OF S215 AND 41CR4 STEEL <i>R. Panowicz, A. J. Panas, J. Terpilowski</i>
	P2.11 MEASUREMENT OF THE THERMAL EXPANSION COEFFICIENT FOR ULTRA HIGH TEMPERATURE UP TO 3000 K <i>T. Kompan, S. Kondratiev, A. Korenev, N. Puhov, F. Inochkin, S. Kruglov, I. Bronstein</i>
	P2.12 THERMAL CONDUCTIVITY MEASUREMENT OF POLYMER MATERIALS UNDER DEFINED HUMIDITY CONDITIONS <i>A. Blahut, M. Rudolfová, T. Váchová, R. Strnad</i>
15:45 - 16:45 Poster Session II	P2.13 INVESTIGATION OF SPECIFIC HEAT CAPACITY, ELECTRICAL RESISTIVITY, THERMAL EXPANSION OF REFRACTORY METALS AND METAL CARBIDES <i>V. Senchenko, R. Bellkov, V. Popov</i>
	P2.14 SIGNAL PROCESSING FOR IMPROVED SPEED-OF-SOUND MEASUREMENTS USING THE TIME-OF-FLIGHT METHOD <i>F. Fehres, S. Krenk, S. Rudtsch</i>
	Humidity and Moisture
	P2.15 DESIGN AND VALIDATION OF THE MBW HIGH RANGE STANDARD HUMIDITY GENERATOR <i>S. Wettstein, D. Mutter</i>
	P2.16 A FULLY AUTOMATED CALIBRATION SYSTEM FOR PSYCHROMETERS AND RELATIVE HUMIDITY SENSORS <i>E. van der Ham, M. Ballico, F. Jahan, K. Mapson, N. Owen</i>
	P2.17 LOW PRESSURE AND TEMPERATURE DEW/FROST-POINT GENERATOR <i>H. Sairanen, M. Heinonen, R. Högström, J. Salminen, S. Saxholm, H. Kajastie</i>
	P2.18 ADDITIONAL SYSTEM CONTROL RELATIVE HUMIDITY FOR AIR TEMPERATURE BELOW 0 °C <i>R. Jarosz, M. Zagożdżon</i>
	P2.19 IMPLEMENTATION OF AN UPGRADED PRIMARY GENERATOR IN DEVELOPMENT OF IMBIH HUMIDITY LABORATORY <i>N. Jandric, S. Cohodarevic, N. Hodzic, J. Bojkovski, J. Drnovsek, D. Hudoklin</i>
	P2.20 VALIDATION OF A HIGH PRESSURE PRIMARY DEW-POINT GENERATOR <i>M. Rudolfová, T. Váchová, R. Strnad</i>
	P2.21 EXPERIMENTAL CONCEPT FOR MEASURING ENHANCEMENT FACTORS OF WATER IN BIOGAS <i>R. Deschermeier, R. Kessel, V. Ebert</i>
	Temperature Methods and Sensors
	P2.22 CHARACTERIZATION OF THE THERMAL GRADIENT OF A THREE ZONE BLACKBODY FURNACE, BETWEEN 400 °C AND 1000 °C <i>J. de Lucas, P. Hernandez, T. Vicente, R. Benyon</i>
	P2.23 A PORTABLE TYPE OF SETTING-POINT BLACKBODY CALIBRATOR FOR CLINICAL EAR THERMOMETER <i>H. Y. Ko, C. C. Yeh</i>
	P2.24 REALIZING THE ITS-90 AND THERMODYNAMIC TEMPERATURE ABOVE 962 °C AT NRC <i>A. Todd, A. Gamouras, D. Woods</i>
	P2.25 PORTABLE AND WAVELENGTH TUNEABLE NEAR INFRARED RADIATION THERMOMETER <i>O. Kozlova, S. Briaudeau, D. Truong, V. Vidal, A. Sadouni, F. Bourson, M. Sadli</i>

MONDAY, 27.06.2016

16:45 - 18:00				
Oral Session II				
	Room A	Room B	Room C	Room D
16:45 - 18:00 Oral Session II	Fundamental Aspects and Standards	Traceability and Dissemination	Humidity and Moisture	Temperature Methods and Sensors
	Boltzmann constant determinations	Instrumentation & facilities Software & data processing	Hygrometers & moisture sensors (I)	Pt-Rh thermocouple thermometry
	Chair: Mike Moldover	Chair: Igor Pusnik	Chair: Stephanie Bell	Chair: Frank Edler
	O2.1 PROGRESS IN THE DETERMINATION OF THE BOLZMANN CONSTANT WITH DIELECTRIC-CONSTANT GAS THERMOMETRY <i>C. Gaiser, B. Fellmuth, T. Zandt</i>	O2.5 BI-SECTIONAL METHOD FOR MEASURING THE INTEGRAL NONLINEARITY OF HIGH PRECISION THERMOMETRIC BRIDGES <i>A. Mikhail, Z. Warsza</i>	O2.9 CAVITY RING-DOWN SPECTROSCOPY FOR TRACE-MOISTURE MEASUREMENT USING DUAL-LASER SYTEM <i>H. Abe, K. Hashiguchi, M. Amano</i>	O2.13 DRIFT AS A FUNCTION OF TEMPERATURE IN PLATINUM-RHODIUM ALLOYED THERMOELEMENTS <i>E. Webster, F. Edler</i>
	O2.2 DETERMINATION OF THE BOLZMANN CONSTANT K USING A 3 LITRE COPPER QUASI-SPHERE <i>L. Pitre, F. Sparasci, L. Risegari, C. Guilanvarc'h, M. Plimmer</i>	O2.6 IMPROVING THE PERFORMANCE AND SPEED OF DCC THERMOMETRY BRIDGE MEASUREMENTS <i>M. Evans</i>	O2.10 HIGH PERFORMANCE DEW POINT MEASUREMENTS WITH CONTINUOUS-WAVE CAVITY RING-DOWN SPECTROSCOPY ON A NEW LOW-COST PLATFORM <i>Y. Chen, E. Coyne</i>	O2.14 PLATINUM-RHODIUM THERMOCOUPLE STABILITY AND THE INFLUENCE OF Pt AND Rh OXIDE VAPOUR TRANSPORT <i>J. Pearce, A. Smith, C. Elliott, A. Greenen</i>
O2.3 RECENT RESULTS FROM THE NIST TWO-CHANNEL CORRELATOR FOR THE BOLZMANN CONSTANT DETERMINATION <i>A. Pallarolo, H. Rogalla, K. Coakley, T. Tew, S. Benz</i>	O2.7 COLLECTION, EVALUATION AND DISSEMINATION TECHNOLOGY FOR THERMOPHYSICAL PROPERTY DATA OF METAL SYSTEMS <i>B. Wilthan, V. Diky, E. Pfeif, K. Kroenlein</i>	O2.11 SPECTROSCOPY FOR THE ANALYSIS OF NANOPOROUS SILICON GAS AND HUMIDITY SENSORS <i>S. O. Aytekin, R. Ince</i>	O2.15 ANNEALING EFFECT ON INHOMOGENEITY OF NOBLE METAL THERMOCOUPLES <i>M. Castanho, D. Yamanaka</i>	
O2.4 IMPROVED MOLAR MASS MEASUREMENT OF GASES FOR THE ACOUSTIC DETERMINATIONS OF BOLZMANN CONSTANT <i>I. Yang, J. S. Kim, J. B. Lee</i>	O2.8 EVALUATION OF A DEVICE FOR IN-SITU CALIBRATION OF THERMOMETERS <i>M. de Groot, P. Duis</i>	O2.12 EVALUATION OF THE NEW NIR LASER-BASED SENSOR FOR MEASURING SURFACE MOISTURE IN POLYMERS <i>G. Beges, S. Begus, D. Hudoklin</i>	O2.16 A STUDY OF TYPE S THERMOCOUPLE DRIFT <i>M. Coleman, T. Kolat, F. Liebmann, T. Harper</i>	

TUESDAY, 28.06.2016

8:45 - 9:30				
Room A				
Chair: Rod White				
Plenary Lecture				
THE STATUS AND FUTURE OF JOHNSON NOISE THERMOMETRY				
<i>Jifeng Qu, National Institute of Metrology, China</i>				
9:30 - 10:30				
Oral Session III				
	Room A	Room B	Room C	Room D
9:30 - 10:30 Oral Session III	Fundamental Aspects and Standards	Applications	Humidity and Moisture	Temperature Methods and Sensors
	Kelvin and MeP-K	Industrial Processing Control and Automation	Moisture in materials (I)	Resistance thermometry
	Chair: Joachim Fischer	Chair: Murat Kalemci	Chair: Daniel Mutter	Chair: Januarius Widiatmo
	O3.1 THE KELVIN REDEFINITION AND THE MeP-K <i>B. Fellmuth, J. Fischer, G. Machin, S. Picard, P. Steur, O. Tamura, R. White, H. Yoon</i>	O3.4 ONE DIMENSIONAL SENSOR MODELLING FOR ONLINE ERROR COMPENSATION OF EXHAUST GAS TEMPERATURE MEASUREMENT <i>J. Garbers, S. Gehrman, T. Fröhlich, S. Augustin</i>	O3.7 SI-TRACEABLE WATER CONTENT MEASUREMENTS IN SOLIDS, BULKS AND POWDERS <i>P. F. Østergaard, J. Nielsen, M. Pedersen, M. K. Rasmussen</i>	O3.10 INTERPOLATION ERRORS IN THERMISTOR CALIBRATION EQUATIONS <i>R. White</i>
	O3.2 SUMMARY OF ACHIEVEMENTS OF THE EMRP PROJECT 'IMPLEMENTING THE NEW KELVIN' (INK) <i>G. Machin, J. Engert, R. Gavioso, M. Sadli, E. Woalliams</i>	O3.5 EMPRESS: A EUROPEAN PROJECT TO ENHANCE PROCESS CONTROL THROUGH IMPROVED TEMPERATURE MEASUREMENT <i>J. Pearce, F. Edler, C. Elliott, L. Rosso, G. Sutton, R. Zante, G. Machin</i>	O3.8 APPLICATION OF THE LUIKOV'S MODEL IN THE MOISTURE MEASUREMENT OF SOLID MATERIALS BY DRYING <i>E. Martinez-Lopez, L. Lira-Cortes</i>	O3.11 TRACKING SPRT DRIFT OVER REPEATED CALIBRATION CYCLES: A CASE STUDY IN METROLOGICAL TRACEABILITY <i>M. Chojnacky, G. Strouse</i>
O3.3 QUANTUM UNIT OF TEMPERATURE AND ITS DETERMINATION <i>S. Yatsyshyn, B. Stadnyk</i>	O3.6 A NOVEL CLOSED SYSTEM, PRESSURE CONTROLLED HEAT PIPE DESIGN FOR HIGH STABILITY ISOTHERMAL FURNACE LINER APPLICATIONS <i>D. Pellicone, T. Maxwell, R. Bonner, D. Campo, J. Mott, H. McEvoy</i>	O3.9 EFFECT OF MOISTURE CONTENT ON THERMAL PROPERTIES OF POROUS BUILDING MATERIALS <i>E. Vejmelkova, M. Cachova, D. Konakova, M. Keppert, V. Koci, J. Madera, R. Cerny</i>	O3.12 STUDY OF RESISTANCE RATIO LONG TERM STABILITY FROM SPRT CALIBRATIONS <i>F. Liebmann, M. Coleman</i>	

TUESDAY, 28.06.2016

10:30 - 11:45	Coffee break & Poster Session III
	Room P
	Fundamental Aspects and Standards
	P3.1 PROGRESS REPORT ON NMIJ ACOUSTIC GAS THERMOMETRY AT TRIPLE POINT OF WATER <i>T. Misawa, J. Widiatmo, Y. Kano, K. Yamazawa</i>
	P3.2 THE FLUCTUATIONS OF THERMODYNAMIC QUANTITIES AND THE NON-UNIQUENESS OF BOLTZMANN CONSTANT <i>H. Yi</i>
	P3.3 MINIATURE FIXED POINTS AS THE TEMPERATURE STANDARD FOR IN-SITU CALIBRATING TEMPERATURE SENSORS <i>X. Hao, J. Sun, P. Wen, C. Xu, J. Song, M. Xu, L. Gong</i>
	P3.4 SMALL MULTIPLE FIXED-POINT CELL AS CALIBRATION REFERENCE FOR A DRY WELL BLOCK CALIBRATOR <i>S. Marin, M. Hohmann, T. Fröhlich</i>
	P3.5 SLIM MERCURY TRIPLE POINT CELL MADE IN BRAZIL <i>S. Petkovic, K. Quelhas, M. Castanho, R. Antunes</i>
	P3.6 AU FIXED POINT DEVELOPMENT AT NRC <i>S. N. Dedyulin, M. Gotoh, A. D. W. Todd</i>
	Applications, Traceability and Dissemination
	P3.7 THERMAL IMAGE MEASUREMENT OF IRON-SLAG-MIXED LIQUID DISCHARGED FROM BLAST FURNACE <i>M. Sugiura, M. Nakashima</i>
	P3.8 TEMPERATURE DATA INTERPOLATION IN MOBILE SIMULATION CHAMBER FOR MACHINE TOOLS <i>M. Voldan, R. Strnad</i>
	P3.9 ON-SITE CALIBRATION OF THE PRECISION IPT BASED ON GALLIUM AND GALLIUM-BASED SMALL-SIZE EUTECTIC POINTS <i>J. Sun, X. Hao, F. Zeng, L. Zhang, X. Fang</i>
	P3.10 DRY BLOCK CALIBRATOR WITH IMPROVED TEMPERATURE FIELD AND INTEGRATED FIXED-POINT-CELLS <i>M. Hohmann, S. Marin, M. Schalles, T. Fröhlich</i>
	P3.11 CALIBRATION OF TEMPERATURE LOGGERS: CLIMATIC CHAMBER AND LIQUID ENCLOSURE <i>V. Žužek, J. Pušnik</i>
	P3.12 FACILITY FOR REALISATION OF THE ITS-90 ABOVE THE COPPER POINT AT NSCIM <i>P. Neyezhmakov, R. Sergienko</i>
10:30 - 11:45	P3.13 THE CHARACTERIZATION OF STERILIZATION AUTOCLAVES FOR USE IN INTER LABORATORY COMPARISONS <i>P. Hernández, G. Elvira, J. Higuera, J. de Lucas, T. Vicente, R. Benyon</i>
Poster Session III	P3.14 IMPROVED CALIBRATION OF TEMPERATURE DATA LOGGERS AT TEMPERATURE UP TO 200 °C <i>J. C. P. Cheung, C. M. Leung, S. C. F. Ma</i>
	P3.15 HOW TO DETERMINE THE SIZE OF SOURCE EFFECT OF A THERMAL IMAGER <i>I. Pušnik, J. Drnovšek</i>
	P3.16 FACILITY FOR TESTING OF THERMAL IMAGERS FOR GAS LEAKAGE DETECTION <i>L. Kňazovická, R. Strnad, A. Blahut</i>
	P3.17 EVALUATION OF NEW CLIMATIC CHAMBER DESIGN <i>J. Bojkovski, G. Kambič, J. Drnovšek</i>
	P3.18 ACCREDITATION OF Pt WIRE BRIDGE AND DRY BLOCK CALIBRATION METHODS <i>C. Elliott, R. Rusby, S. Alvey-Taylor, K. Alston, J. Pearce</i>
	P3.35 INTER-LABORATORY COMPARISON OF DRY BLOCK CALIBRATORS FROM -90 °C TO 600 °C <i>M. Holmsten, S. Ljungblad, L. E. Josefson</i>
	Humidity and Moisture
	P3.19 WAVELENGTH-METER CONTROLLED CAVITY RING-DOWN SPECTROSCOPY FOR MEASURING TRACE MOISTURE <i>K. Hashiguchi, D. Lisak, A. Cygan, R. Ciuryło, H. Abe</i>
	P3.20 DEVELOPMENT OF TDLAS-BASED DEW POINT HYGROMETER <i>S. Honda, K. Sagara, T. Usui, K. Itabashi, K. Hashiguchi, H. Kitano, H. Abe</i>
	P3.21 COULOMETRIC TRACE HUMIDITY MEASUREMENT IN INDUSTRIAL GASES <i>M. Detjens, C. Tiebe, U. Banach, J. Majewski, T. Hübert</i>
	P3.22 WATER-VAPOR PERMEABILITY OF FABRICS USED IN FIREFIGHTER PROTECTIVE CLOTHING <i>C. Meyer, S. Nazaré</i>
	P3.23 UNCERTAINTY ESTIMATION OF SOME SORPTION ISOTHERMS USED FOR THE MOISTURE CONDITIONING OF GRAINS <i>E. Martínez-Lopez, L. Lira-Cortes</i>
	P3.24 EFFECTS OF SAMPLING AND TRANSPORTATION OF MOISTURE CONTENT ON BIOMASS SAMPLE <i>J. Salminen, H. Sairanen, S. Patel, M. Ojanen-Salaranta, H. Kajastie, M. Heinonen</i>
	P3.25 MEASURING OF WATER VAPOR TRANSMISSION RATE (WVTR) USING CRDS <i>B. I. Choi, S. W. Lee, S. B. Woo, J. C. Kim</i>

TUESDAY, 28.06.2016

10:30 - 11:45	Coffee break & Poster Session III			
10:30 - 11:45 Poster Session III	Room P			
	Temperature Methods and Sensors			
	P3.27 IMPROVING AN SPRT REPORT OF CALIBRATION <i>M. Coleman, T. Harper, F. Liebmann</i>			
	P3.28 IMPLEMENTATION OF WATER HEAT PIPE AT CETIAT <i>J. O. Favreau, E. Georgin, A. Merlone</i>			
	P3.29 EXPERIENCES IN CALIBRATING PLATINUM PT100 SENSORS BETWEEN 77 K AND 350 K <i>R. Veltcheva, R. Rusby, D. Peters, R. Watkins</i>			
	P3.30 THE REFERENCE MONOCHROMATIC THERMOMETER FOR THE HTFPs INVESTIGATION <i>Y. Sild, M. Matveyev, V. Fuksov, E. Vizulainen, O. Verhovskaya, A. Pokhodun, A. Polepishin, S. Byriakov</i>			
	P3.31 TEMPERATURE DETERMINATION OF ISOTHERMAL CAVITY BY THERMAL RADIATION SPECTRUM: THE USE OF SPECTRAL RELATIVE EMISSANCE <i>S. Rusin</i>			
	P3.32 QUALIFICATION OF AN INDUSTRIAL LEVEL BLACKBODY CAVITY <i>F. Liebmann, T. Kolat</i>			
	P3.33 EXPERIMENTAL STUDY OF THE EFFECT OF FURNACE ON THE COPPER POINT <i>M. Imbe, Y. Yamada</i>			
	P3.34 DETERMINATION OF SEVERAL GRAPHITE BLACKBODY CAVITIES EMISSIVITY AT 633 nm <i>J. H. Wang, Z. D. Yuan, Y. Y. Duan</i>			
P3.36 EFFECT OF HANDLING, PACKING AND TRANSPORTATION ON THE MOISTURE OF TIMBER WOOD <i>Z. Páková, M. Rudolfová, E. Georgin, M. W. Ben Ayoub, V. Fericola, G. Beltramo, N. Ismail, B. Il Choi, M. Heinonen</i>				
11:45 - 13:00	Oral Session IV			
11:45 - 13:00 Oral Session IV	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Thermal Quantities	Humidity and Moisture	Temperature Methods and Sensors
	Thermodynamic temperature determinations (I)	Heat flux sensors	Humidity at extremes Humidity & Moisture applications	Calibration procedures Instrumentation and facilities
	Chair: Jintao Zhang	Chair: Silke Augustin	Chair: Christopher Meyer	Chair: Jovan Bojkovski
	O4.1 REPORT ON NEW DETERMINATIONS OF T-T90 <i>J. Fischer, C. Gaiser, R. Gaviato, P. Steur, G. Kytin, G. Machin, M. de Padesta, M. Moldover, L. Pitre, A. Pokhodun, P. Rourke, R. Teixeira, R. White, T. Nakano, I. Yang, J. Zhang</i>	O4.5 THE NEW NIST HEAT-FLUX SENSOR CALIBRATION FACILITY <i>C. Gibson, M. Boyd, B. Dougherty, H. Yoon</i>	O4.9 A MASS FRACTION HUMIDITY GENERATOR FOR SPECIFIC HUMIDITY UP TO 0.5 kg/kg AND PRESSURE UP TO 0.6 MPa <i>S. Tabandeh, V. Fericola</i>	O4.13 A SUB-MILLIKELVIN CALIBRATION FACILITY IN THE RANGE 0 °C TO 30 °C <i>R. Bosma, A. Peruzzi, R. van Breugel, C. Bruin-Barendregt</i>
	O4.2 ACOUSTIC DETERMINATIONS OF THERMODYNAMIC TEMPERATURE BETWEEN 235 K AND 303 K <i>R. M. Gaviato, D. M. Ripa, P. P. M. Steur, R. Demattels, F. Bertiglia, L. Pitre</i>	O4.6 NONLINEARITY CHARACTERISATION OF HEAT-FLUX SENSORS EMPLOYING A HIGH-POWER CO2 LASER <i>E. van der Ham, C. Beer, M. Ballico</i>	O4.10 CHALLENGES AND BENEFITS OF A DIFFERENT HUMIDITY MEASURING PRINCIPLE <i>P. Trösch</i>	O4.14 COMPARISON OF PORTABLE STIRRED, DRY AND WET BLOCK CALIBRATORS FROM A RANGE OF -35 °C TO 425 °C <i>D. Cross</i>
	O4.3 ACOUSTIC THERMOMETRY WITH A 3 LITRE COPPER QUASI-SPHERE FROM 220 K TO 303 K AT LNE-CNAM <i>L. Pitre, F. Sparasci, L. Risegari, C. Guianvarc'h, M. Plimmer</i>	O4.7 ESTABLISHMENT OF A CALIBRATION SYSTEM OF HEAT FLUX SENSORS <i>M. Akoshima, N. Yamada</i>	O4.11 THE DEVELOPMENT OF HIGH-PRESSURE HUMIDITY STANDARDS FOR LIFE SUPPORT AND INDUSTRIAL APPLICATIONS <i>D. Mutter, J. Bochsler, D. Limacher, D. Renner, C. Wettstein, D. Weiss</i>	O4.15 ESTABLISHMENT OF THE Co-C EUTECTIC FIXED-POINT CELL FOR THERMOCOUPLE CALIBRATION AT NIMT <i>O. Ongrai, C. Elliott</i>
	O4.4 FURTHER ESTIMATES OF T-T90 CLOSE TO THE TRIPLE POINT OF WATER <i>R. Underwood, M. de Padesta, G. Sutton, L. Stanger, R. Rusby, P. Harris, P. Morantz, G. Machin</i>	O4.8 MEASUREMENT OF THERMAL POWER OF LARGE RADIOACTIVE WASTE PACKAGES <i>R. Razouk, B. Hay, G. Failliau, J. Hameury, O. Beaumont, S. Plumeri</i>	O4.12 STUDY OF REAL TIME DRY BULB AND RELATIVE HUMIDITY SENSORS IN UNDERGROUND COAL MINES <i>M. Khanal, R. McPhee, B. Belle, P. Brisbane, B. Kathage</i>	O4.16 STRENGTHENING TRACEABLE EUROPEAN CAPABILITIES IN HIGH TEMPERATURE CONTACT THERMOMETRY <i>N. Arifovic, J. R. Filtz, G. Failliau, H. Bruno, D. MacLochlainn, J. Bojkovski, N. Hodzic, S. Simic, D. Sestan, D. Zvizdic</i>
13:00 - 14:00	Lunch			

TUESDAY, 28.06.2016

Room A				
Chair: Andrea Merlone				
14:00 - 14:45	Plenary Lecture			
	ENSURING THE DEVELOPMENT OF HIGH-QUALITY AND TRACEABLE CLIMATE TIME-SERIES IN SUPPORT OF MORE ROBUST CLIMATE CHANGE STUDIES <i>Manola Brunet, University Rovira i Virgili, Spain</i>			
14:45 - 15:45 Oral Session V				
14:45 - 15:45 Oral Session V	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Applications	Meteorology and Climate	Temperature Methods and Sensors
	High Temperature Fixed Points (I)	Surface temperature (I) Phosphor thermometry	MeteoMet	Base-metal thermocouples
	Chair: David Lowe	Chair: Peter Steur	Chair: Miruna Dobre	Chair: Radek Strnad
	05.1 Co-C AND Pd-C EUTECTIC POINTS FOR RADIATION THERMOMETRY AND THERMOCOUPLE THERMOMETRY <i>L. Wang</i>	05.4 APPARATUS FOR CALIBRATION CONTACT SENSORS FOR MEASURING THE TEMPERATURE OF A SOLID SURFACE <i>E. Terzić, N. Zaimović-Uzunović, R. Seferović</i>	05.7 METROLOGY FOR TERRESTRIAL AND SURFACE ESSENTIAL CLIMATE VARIABLES <i>C. Garcia Izquierdo, A. Merlone, E. Georgin, R. Strnad, M. K. Rasmussen, N. Jandric, M. Heinenon, S. Bell, V. Ebert, M. Dobre, M. Kalemci, G. Beges, A. Peruzzi, P. Milota</i>	05.10 DRIFT IN TYPE K BARE-WIRE THERMOCOUPLES FROM DIFFERENT MANUFACTURERS <i>E. Webster</i>
05.2 NICKEL/SILVER MONOTECTIC IN ALUMINA CRUCIBLE FOR USE WITH CONTACT THERMOMETRY <i>M. Gatoh, A. Todd</i>	05.5 THERMAL EQUILIBRATION OF SINGLE-CRYSTAL AND POWDER SAMPLES <i>J. Scherschligt, T. Herman, S. Parks</i>	05.8 RADIOSONDES HUMIDITY CALIBRATION ACCORDING TO GRUAN SPECIFICATIONS <i>H. Sairanen, M. Heinenon, R. Högström, J. Salminen, S. Saxholm, H. Kajastie</i>	05.11 THERMAL RECOVERY FROM COLD-WORKING IN TYPE K BARE WIRE THERMOCOUPLES <i>A. Greenen, E. Webster</i>	
05.3 APPROACHING THE NEW DISSEMINATION OF HIGH TEMPERATURE SCALE AT NIM <i>X. Lu, Z. Yuan</i>	05.6 PHOSPHOR THERMOMETRY FOR TEMPERATURE MEASUREMENT IN EXTREME ENVIRONMENTS <i>A. Heyes</i>	05.9 CHARACTERIZATION OF THE NEW HUMIDITY CALIBRATION CHAMBER BY MEASUREMENTS AND SIMULATIONS <i>J. Salminen, H. Sairanen, R. Högström, M. Heinenon</i>	05.12 LOW DRIFT NICKEL BASED THERMOCOUPLES: THE DOUBLE WALL CONFIGURATION <i>M. Scervini</i>	
15:45 - 16:45 Coffee break & Poster Session IV				
Room P				
Fundamental Aspects and Standards				
P4.1 REPRODUCIBILITY OF WC-C HIGH-TEMPERATURE FIXED POINT <i>I. Grigoryeva, B. Khlevnoy</i>				
P4.3 LARGE-AREA HTPF CELLS FOR IRRADIANCE-MODE MEASUREMENTS <i>B. Khlevnoy, I. Grigoryeva, V. Sapritsky, K. Anhalt, M. Waehmer</i>				
P4.4 COMPARISON AND MELTING TEMPERATURE DETERMINATION OF WC-C CELLS DEVELOPED AT VNIIOFI AND LNE-CNAM <i>M. Sadlj, B. Khlevnoy, F. Bourson, I. Grigoryeva, S. Briaudeau, O. Kozlova, V. Gavrilov, D. Otryaskin, B. Rougié</i>				
P4.5 PERFORMANCE OF DIFFERENT LIGHT SOURCES FOR THE ABSOLUTE CALIBRATION OF RADIATION THERMOMETERS <i>M. J. Martin, J. M. Mantilla, D. del Campo, M. L. Hernanz, A. Pons, J. Campos</i>				
P4.6 THERMODYNAMIC TEMPERATURE MEASUREMENT TO THE INDIUM POINT BASED ON RADIANCE COMPARISON <i>Y. Yamaguchi, Y. Yamada</i>				
Applications				
P4.8 AN ATTEMPT TO NON-DESTRUCTIVELY QUALIFY THE ADHESION OF THERMAL BARRIER COATINGS <i>J. Manara, M. Arduini, J. Hartmann</i>				
P4.9 TRACEABILITY AND ACCURACY IN THERMOGRAPHY APPLICATIONS <i>J. A. Sousa, A. S. Ribeiro, L. L. Martins, L. Matias</i>				
P4.10 EVALUATION OF TEMPERATURE PROFILE OF COPPER BLOCK FOR CALIBRATION OF CONTACT SURFACE THERMOMETER <i>I. Saito, T. Nakano, J. Tamba</i>				
P4.11 THERMOMETRY USING HYPERSPECTRAL CAMERA AND MULTIVARIATE ANALYSIS FOR STEEL MANUFACTURING PROCESS <i>T. Oshige, S. Asakura, T. Isobe, T. Koshihara</i>				
P4.12 MICROSECOND POLYCHROMATIC FIBER PYROMETER FOR SELECTIVE LASER MELTING <i>V. Senchenko, D. Kapustin</i>				
Humidity and Moisture, Meteorology and Climate				
P4.13 A STUDY OF IN-SERVICE DRIFT OF METEOROLOGICAL HUMIDITY SENSORS <i>P. Carroll, S. Bell, C. England, N. Mander, C. Spray, C. McIlroy</i>				
P4.14 EXPERIMENTAL SEA TEMPERATURE MEASUREMENTS BY DISTRIBUTED TEMPERATURE SENSORS <i>C. Garcia Izquierdo, D. del Campo, S. Hernández, A. Gonzalez, P. Corredera, C. Pulido, A. Garcia-Benadi, J. del-Río-Fernández, M. Nogueira-Cervera</i>				
P4.15 EXPERIMENT FOR THE EVALUATION OF SITING UNCERTAINTY OF AIR TEMPERATURE MEASUREMENTS IN THREE TEST SITES <i>G. Coppa, G. Lopardo, F. Bertiglio, C. Musacchio, N. Jandric, C. Garcia Izquierdo, S. Hernandez, A. Gonzalez, M. Voldan, A. Merlone</i>				
P4.16 A CALIBRATION FACILITY FOR AN ABSOLUTE SALINOMETER BASED ON THE INDEX OF REFRACTION OF SEAWATER <i>F. Sparasci, L. Pitre, M. Le Menn, D. Malardé</i>				
15:45 - 16:45 Poster Session IV				

TUESDAY, 28.06.2016

15:45 - 16:45	Coffee break & Poster Session IV
15:45 - 16:45 Poster Session IV	Room P
	Temperature Methods and Sensors
	P4.18 MODELLING OF THERMAL PROCESSES IN HEAT FLUX SENSORS <i>A. Kozlov</i>
	P4.19 THE HIGH TEMPERATURE TEST SYSTEM FOR CALIBRATION TUNGSTEN RHENIUM THERMOCOUPLES <i>L. HaiYan, Z. Jian, C. Lei</i>
	P4.20 RESEARCH OF TYPE A THERMOCOUPLE BEHAVIOUR WHEN POSITIVE THERMOELEMENT CONTAINS 0.05 % Y2O3 <i>A. Ulanovskiy, P. Oleynikov</i>
	P4.21 STABILITY EVALUATION AND CALIBRATION OF TYPE C THERMOCOUPLE WITH HTFPS <i>J. Sun, X. Lu</i>
	P4.22 VALIDATION OF THE NEW NIST TUNGSTEN-RHENIUM THERMOCOUPLE CALIBRATION SYSTEM <i>K. Garrity, W. Tew, C. Gibson, H. Yoon</i>
	P4.23 TECHNICAL ASPECTS OF 3 WIRE PRTs MEASUREMENTS IN INDUSTRIAL APPLICATIONS – ACCURACY <i>G. Wójcik</i>
	P4.24 EXPERIMENTAL METHOD FOR DETERMINATION OF SELF-HEATING AT THE POINT OF MEASUREMENT <i>D. Sestan, D. Zvizdic, L. Grgec-Bermanec</i>
	P4.25 CHARACTERIZATION OF HIGH TEMPERATURE PLATINUM RESISTANCE THERMOMETERS AT SILVER POINT <i>J. Widiatmo, K. Harada, K. Yamazawa</i>
P4.26 MINIATURE FLAT PLATE HEAT PIPES AS EFFICIENT THERMAL CONTROL ELEMENTS <i>R. S. Mason</i>	
17:00 - 19:30	Free time/sightseeing
19:30	Barbecue with folk music

WEDNESDAY, 29.06.2016

8:45 - 9:30	Room A			
	Chair: Graham Machin			
	Plenary Lecture THERMAL MEASUREMENT CHALLENGES IN ADVANCED MANUFACTURING <i>Gregory Strouse, National Institute of Standards and Technology, USA</i>			
9:30 - 10:30	Oral Session VI			
9:30 - 10:30 Oral Session VI	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards Temperature scales and interpolation (I)	Traceability and Dissemination Uncertainty estimation	Meteorology and Climate Remote sensing	Temperature Methods and Sensors Other methods and sensors
	Chair: Aleksandra Kowal	Chair: Yves Hermier	Chair: Peter Saunders	Chair: Yoshiro Yamada
	O6.1 THE ITS-90 BELOW 273.16 K AFTER DEFINITION OF ISOTOPIC REFERENCE COMPOSITIONS FOR e-H2 AND Ne: EFFECT ON THE RESULTS OF PREVIOUS INTERNATIONAL COMPARISONS <i>F. Pavese, A. Szmyrka-Grzebyk</i>	O6.4 PROPAGATION OF UNCERTAINTY AND COMPARISON OF INTERPOLATION SCHEMES <i>R. White</i>	O6.7 REMOTE SENSING: INFRARED SENSOR CALIBRATION AND APPLICATIONS IN THE FIELD OF ENVIRONMENT AND ENERGY FOR DETECTING THERMAL ANOMALIES <i>J.R. Filtz, V. Le Sant, S. Pierrard</i>	O6.10 A SILICON WAFER EMBEDDED OPTICAL FIBER TEMPERATURE SENSOR <i>D. Terada, R. Takigawa, T. Shimizu, T. Luchi</i>
	O6.2 RECENT EUROPEAN DEVELOPMENTS ON THE PRACTICAL DISSEMINATION OF THE KELVIN AND FUTURE PERSPECTIVES <i>D. del Campo, J. Bojkovski, P. Castro, G. Cappa, M. Dobre, S. Gentil, M. Kalemci, J. Pearce, A. Peruzzi, M. Pirolo, F. Sparasci, R. Strnad, D. Taubert, E. Turz�-Andr�s</i>	O6.5 UNCERTAINTY EVALUATION OF A HUMIDITY CALIBRATOR USING MONTE-CARLO METHOD, ARTIFICIAL NEURAL NETWORK AND DATA FUSION <i>S. Tabandeh, V. Fericola</i>	O6.8 RETRIEVAL AND ANALYSIS OF TOTAL PRECIPITABLE WATER AND CLOUD LIQUID WATER PATH FROM FY-3C MWHTS AND HY-2 ACMR OBSERVATIONS <i>J. He</i>	O6.11 METROLOGICAL ASSESSMENT OF DISTRIBUTED FIBER OPTICS TEMPERATURE SENSOR <i>G. Failleau, O. Beaumont, R. Razouk, Y. L. Beck, J. M. Henault, J. Bertrand, S. Delepine-Lesolle, S. Plumeri, B. Hay</i>
	O6.3 APPLYING A SUPERCONTINUUM LASER FOR ABSOLUTE RADIATION THERMOMETRY <i>L. B�nger, K. Anhalt, D. R. Taubert</i>	O6.6 UNCERTAINTY ESTIMATION IN PRIMARY RADIOMETRIC TEMPERATURE MEASUREMENT <i>P. Saunders, E. Woolliams, H. Yoon, A. Todd, M. Sadli, S. Briadaeau, E. van der Ham, K. Anhalt, L. Werner, D. Taubert, B. Khlevnoy</i>	O6.9 UNCERTAINTY EVALUATIONS OF THE CRCS IN-ORBIT FIELD RADIOMETRIC CALIBRATION METHODS FOR THERMAL INFRARED CHANNELS OF FENGYUN METEOROLOGICAL SATELLITES <i>Z. Yong, R. Zhiguo, M. Min, H. Xiaopeng</i>	O6.12 A PRACTICAL DRIFTLESS JOHNSON NOISE THERMOMETER <i>P. Bramley, D. Cruickshank</i>

WEDNESDAY, 29.06.2016

10:30 - 11:45	Coffee break & Poster Session V
	Room P
	Fundamental Aspects and Standards
	<p>P5.2 A NOVEL ARGON TRIPLE POINT APPARATUS <i>J. Tavener, G. Bonnier</i></p>
	<p>P5.3 FACILITIES FOR REALISATION OF ARGON TRIPLE POINT AT NPL <i>R. Veltcheva, J. Gray, R. Rusby</i></p>
	<p>P5.4 COMPARISON OF TWO ARGON TRIPLE POINT SYSTEMS <i>V. Žužek, J. Drnovšek, J. Bojkovski</i></p>
	<p>P5.5 CALIBRATION OF THERMOMETER AND FIXED POINT CELL AT GALLIUM POINT <i>J. Widiatmo, I. Saito, K. Yamazawa</i></p>
	Traceability and Dissemination
	<p>P5.6 MEASUREMENT OF A RECOVERY FACTOR OF A TOTAL AIR TEMPERATURE SENSOR <i>W. Jaung, Y. G. Kim, K. Lee, C. T. Kim</i></p>
	<p>P5.7 RESIDUAL PROPERTIES OF HIGH PERFORMANCE FIBER REINFORCED CONCRETE EXPOSED TO HIGH TEMPERATURES <i>J. Fařt, Z. Pavlík, M. Pavlíková, A. Trník, D. Čítek, J. Kolisko, R. Černý</i></p>
	<p>P5.8 EVALUATING THE STRUCTURAL CONDITION OF RADIOACTIVE WASTE DRUMS BY INFRARED THERMOGRAPHY <i>D. Camarano, F. Mansur</i></p>
10:30 - 11:45	<p>P5.10 EVALUATION OF DEVIATION FUNCTIONS FOR TYPE R THERMOCOUPLES USING METAL-CARBON EUTECTIC POINTS <i>H. Ogura, M. Izuchi, K. Yamazawa</i></p>
Poster	<p>P5.11 MULTI-ENTRANCE FIXED POINT FILLED WITH ALUMINIUM <i>D. Zvizdic, D. Sestan, K. Sariri</i></p>
Session V	<p>P5.12 ESTABLISHMENT OF A NEW NATIONAL REFERENCE ENSEMBLE OF WATER TRIPLE POINT CELLS <i>R. Senn</i></p>
	<p>P5.13 UPGRADE OF THE INRIM REFERENCE SYSTEM FOR THE CALIBRATION OF SURFACE TEMPERATURE SENSORS <i>L. Rasso, D. Smargon, V. Fericola, F. Arpino, G. Cortellessa</i></p>
	<p>P5.14 A PORTABLE HIGH-PRESSURE HUMIDITY GENERATOR FOR IN SITU CALIBRATION <i>G. Beltramo, D. Smargon, V. Fericola</i></p>
	<p>P5.15 CHARACTERIZATION AND UNCERTAINTY ANALYSIS OF HUMIDITY MEASUREMENT SETUP AT TŮBITAK UME <i>S. O. Aytekin</i></p>
	<p>P5.16 UNLEASHING EMPIRICAL EQUATIONS USING "NONLINEAR FITTING" AND "GUM TREE CALCULATOR" <i>J. Lovell-Smith, P. Saunders, R. Feistel</i></p>
	<p>P5.17 UNCERTAINTY OF THE REFERENCE RESISTOR TEMPERATURE COEFFICIENT <i>J. Bojkovski, V. Batogelj, V. Žužek</i></p>
	Meteorology and Climate
	<p>P5.18 REMOTE TWO-COLOUR INFRARED TEMPERATURE MEASUREMENT AND IMAGING USING MEMS MIRRORS <i>M. J. Hobbs, A. Auckloo, C. Zhu, N. Boone, J.R. Willmott</i></p>
	<p>P5.19 REMOTE SENSING IMAGE CLASSIFICATION BASED ON THE OPTIMAL SUPPORT VECTOR MACHINE AND CUCKOO SEARCH ALGORITHM <i>Z. Ye, L. Ma, M. Wang, J. Su</i></p>

WEDNESDAY, 29.06.2016

Coffee break & Poster Session V				
Room P				
Temperature Methods and Sensors				
10:30 - 11:45 Poster Session V	P5.20 GOOD PRACTICES FOR THE IMPLEMENTATION OF SURFACE TEMPERATURE MEASUREMENTS <i>J. O. Favreau, E. Georgin</i>			
	P5.21 HYSTERESIS IN THE CALIBRATION OF SOME 100 OHM PRT PROBES BETWEEN -196 °C AND 130 °C <i>R. Rusby, G. Machin</i>			
	P5.22 EVALUATION AND APPLICATION OF SMALL SIZED PLATINUM RESISTANCE THERMOMETERS <i>I. Saito, J. Widiatmo, T. Nakano, K. Yamazawa</i>			
	P5.23 A CHALLENGE TO IMPROVE HIGH TEMPERATURE PLATINUM RESISTANCE THERMOMETER <i>Y. Tanaka, T. Kobayashi, J. Widiatmo, K. Harada, K. Yamazawa</i>			
	P5.24 PRACTICAL REMARKS ON DETERMINATION OF CALLENDAR-VAN DUSEN EQUATION IN ACCREDITED LABORATORY <i>R. Malinowski, R. Witkowski, T. Bakań</i>			
	P5.25 STUDY ON REFERENCE FUNCTION OF THIN-FILM PLATINUM RESISTANCE THERMOMETER <i>L. Yu, P. Lin, Z. Huang, Y. Liu, B. Gao</i>			
	P5.26 PERFORMANCE OF Au/Pt TCs AND HPRTs AT DMDM (SERBIA) AND NPL (UK) BETWEEN 660 °C AND 960 °C <i>S. Simić, V. Stepanovic, C. Elliott, J. Gray, R. Veltcheva, J. Pearce</i>			
	P5.27 VALIDATION OF THE AUTOMATED BASE-METAL THERMOCOUPLE CALIBRATION SYSTEM <i>K. Garrity</i>			
	P5.28 ATMOSPHERIC POLLUTION'S INFLUENCE ON TRACEABILITY OF IR CALIBRATORS, UNCERTAINTY BUDGET AND PT-ILCS <i>G. Wójcik</i>			
	P5.29 CORRECTION FOR INFRARED THERMOMETRY ERROR BASED ON THE HIGH EMISSIVITY TARGET <i>Y. Wu, L. Chen, Z. Wang, Y. Fu, X. Zhang</i>			
	P5.30 A CASE STUDY OF THE DISTANCE EFFECT ON A COMMERCIAL DIRECT-READING RADIATION THERMOMETER <i>S. Boles, I. Pušnik, D. MacLochlainn, D. Fleming</i>			
	P5.31 EFFECT OF THE OUT-OF-BAND SPECTRAL RESPONSE IN RADIATION THERMOMETRY <i>H. Yoon, V. Khromchenko, C. Gibson, J. Woodward, K. Lykke</i>			
	P5.32 AN ADVANCED SPECTRAL FITTING APPROACH FOR PHOTOELECTRON THERMOMETRY <i>I. Kinoshita, E. Kobayashi, J. Ishii</i>			
	P5.33 RAMAN METHOD OF COLD PLASMA TEMPERATURE GAUGING <i>B. Stadnyk, V. Herasymenko, S. Yatsyshyn</i>			
	P5.34 AN EXPERIMENTAL INVESTIGATION OF SPRT NON-UNIQUENESS IN THE RANGE BETWEEN 500 °C AND 1000 °C <i>R. Strnad, M. Šindelář</i>			
	P5.35 SPECTRAL RESPONSE CALIBRATION OF FTIR USING SUN AS A SOURCE OF REFERENCE SPECTRA <i>A. Achmadi, J. Lee, S. N. Park</i>			
	P5.36 INTERNATIONAL COMPARABILITY OF TEMPERATURE AND HUMIDITY MEASUREMENTS <i>J. Drnovšek, J. Bajkovski, D. Hudoklin, I. Pušnik, V. Žužek</i>			
P5.37 SIZE-OF-SOURCE EFFECT IN INFRARED THERMOMETERS WITH THE DIRECT READING OF TEMPERATURE <i>A. Manoi, P. Saunders</i>				
11:45 - 13:00	Oral Session VII			
11:45 - 13:00 Oral Session VII	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Thermal Quantities	Meteorology and Climate	Temperature Methods and Sensors
	ITS-90 fixed points (II)	Emissivity	Thermal metrology for climate and extreme environments	Nanothermometry
	Chair: Steffen Rudtsch	Chair: Lu Xiaofeng	Chair: Hao Xiaopeng	Chair: Michael de Podesta
	07.1 EVOLUTION OF THE INNER LIQUID-SOLID INTERFACE DURING METAL FREEZING <i>A. Ivanova, V. Fuksav, S. Gerasimov, A. Pakhodun</i>	07.5 THE DYNAMIC EMISSIVITY MEASUREMENT – A CONSISTENCY ASSESSMENT <i>S. Krenek, D. Gilbers, K. Anhalt, D. Taubert</i>	07.9 TEMPERATURE METROLOGY FOR THE CRYOSPHERE <i>A. Merlone, G. Coppa, C. Musacchio, S. Sanna, L. Paro, P. Pogliotti, M. Chiarle, G. Nigrelli, A. Viola, V. Vitale</i>	07.13 LUMINESCENT THERMOMETRY AT NANOSCALE <i>Ł. Marciniaik</i>
	07.2 EXPERIMENTAL STUDY OF OPEN FIXED POINT CELL HEAT LOSS <i>R. Ding, B. Strangin</i>	07.6 SPECTRAL EMISSIVITY STUDIES FOR TEMPERATURE MEASUREMENTS OF REFORMER TUBES <i>J. Willmott, C. Zhu</i>	07.10 EFFECT OF PRESSURE ON DEEP-OCEAN THERMOMETERS <i>A. Peruzzi, R. Bosma, S. Ober, C. Bruin-Barendregt, R. van Breugel</i>	07.14 PHOTONIC TEMPERATURE SENSORS <i>Z. Ahmed, N. Klimov, T. Purdy</i>
	07.3 AN IMPROVED CALORIMETER FOR SPRTs AND CSPRTs AT THE MERCURY TRIPLE POINT <i>F. Sparasci, L. Pitre, A. Vergé, B. Buée, A. El Matarawy</i>	07.7 EXTENDING THE SPECTRAL- AND ANGLE-RESOLVED EMISSIVITY MEASUREMENT UNDER VACUUM AT PTB TO 1000 °C <i>M. Reiniger, A. Adibekyan, C. Monte, J. Hollandt</i>	07.11 A NEW TECHNIQUE OF SOLAR RADIATION CORRECTION FOR RADIOSONDE USING DUAL TEMPERATURE SENSORS <i>Y. G. Kim, S. W Lee, B. I Choi, S. B Woo, J. C Kim, E. W Park</i>	07.15 NANOSCALE SILICON PHOTONIC THERMOMETERS <i>N. Klimov, T. Purdy, Z. Ahmed</i>
	07.4 EVIDENCE FOR ARGON CONTENT IN PURE OXYGEN FROM THERMAL DATA <i>P. Steur, I. Yang, F. Pavese</i>	07.8 SPECTRAL EMISSIVITY MEASUREMENT OF A CARBON COMPOSITE MATERIAL ABOVE 1000 °C <i>Y. Pan, W. Dong, H. Lin, P. Bloembergen, Z. Yuan</i>	07.12 SOLAR RADIATION INFLUENCE ON TEMPERATURE MEASUREMENT IN A PASSIVE RADIATION SHIELD <i>A. Krovina, I. Mikulecký</i>	07.16 CARBON NANOTUBE THERMOMETRY <i>N. P. Cele</i>

13:00 - 14:00

Lunch

WEDNESDAY, 29.06.2016

14:00 - 15:45				
Oral Session VIII				
	Room A	Room B	Room C	Room D
14:00 - 15:45 Oral Session VIII	Fundamental Aspects and Standards	Applications	Humidity and Moisture	Temperature Methods and Sensors
	Fixed points (Triple Point of Water)	Gas and flame temperatures Thermal measurements for energy	Hygrometers & moisture sensors (II)	Radiation thermometry (II)
	Chair: Andrea Peruzzi	Chair: Juergen Hartmann	Chair: to be confirmed	Chair: Howard Yoon
	08.1 ACCURATE EXPERIMENTAL DETERMINATION OF THE ISOTOPE EFFECTS ON THE TRIPLE POINT TEMPERATURE OF WATER (INVITED PAPER) <i>H. Meijer, V. Faghihi, M. Kozicki, A. T. Aerts-Bijma, H. G. Jansen, J. J. Spiensma, J. van Geel, A. Peruzzi</i>	08.6 THE NPL PORTABLE STANDARD FLAME: CHARACTERISATION OF THE TEMPERATURE FIELD ABOVE THE BURNER <i>G. Sutton, L. Stanger</i>	08.11 BASE LINE DRIFT COMPENSATION OF BALL SAW HYGROMETER BY A TEMPERATURE MODULATION METHOD <i>N. Takeda, Y. Tsukahara, S. Akao, T. Oizumi, T. Tsuji, K. Yamanaka</i>	08.16 NONLINEARITY MEASUREMENT OF 900 nm FILTER RADIOMETER USING LED RADIATION SOURCES <i>W. Dong, X. Lu, P. Bloembergen, Z. Yuan</i>
	08.2 EFFECT OF IMPURITIES ON THE TRIPLE POINT OF WATER: EXPERIMENTS WITH DOPED CELLS <i>M. Dobre, A. Peruzzi, M. Kalemci, J. Van Geel, M. Maeck, A. Uytun</i>	08.7 NON-CONTACT TEMPERATURE MEASUREMENT OF COMBUSTION GASES AT HIGH TEMPERATURES AND HIGH PRESSURES <i>M. Zipf, J. Manara, T. Stark, M. Arduini, H. P. Ebert, J. Hartmann</i>	08.12 LONG-TERM VERIFICATION TEST OF DEW POINT HYGROMETER FOR CV-LRT IN MONJU <i>Y. Chiba, S. Ichikawa, F. Ohno, M. Hatori, T. Kobayashi, R. Uekura, N. Hashiri, T. Inuzuka, H. Kitano, H. Abe</i>	08.17 SIMULATING RADIATION THERMOMETER TEMPERATURE MEASUREMENT ERROR FROM THE PERFORMANCE CHANGE OF AN INTERFERENCE FILTER DUE TO POLARIZATION EFFECT <i>E. K. Ejigu</i>
	08.3 FREEZING CURVES OF DOPED TRIPLE POINT OF WATER CELLS <i>E. Mendez-Lango, A. Peruzzi, J. van Geel</i>	08.8 TEMPERATURE INFLUENCE IN THERMAL INSULATION MATERIALS TESTING BY THE HEAT FLOW METER METHOD <i>A. Ribeiro, J. Alves e Sousa, L. Martins, C. Santos</i>	08.13 DIFFERENTIAL MICROWAVES HYGROMETER FOR MOISTURE MEASUREMENTS ON A WIDE WATER VAPOR CONCENTRATION RANGE <i>N. Chiodo, A. Cappella, L. Pitre, F. Sparasci, L. Risegari, M. Plimmer, E. Georgin</i>	08.18 METROLOGICAL VALIDATION OF A NEW TUNEABLE VISIBLE RADIATION THERMOMETER <i>S. Briaudeau, O. Kazlova, A. Sadouni, D. Truong, F. Bourson, S. Salim, M. Sadli</i>
08.4 REALIZATION OF THE TRIPLE POINT OF WATER USING A SHIELDED METHOD <i>X. Yan</i>	08.9 STUDY OF POLYURETHANE FOAMING DYNAMICS USING A HEAT FLOW METER <i>P. Koniorczyk, M. Trzyna, J. Zmywaczyk, B. Zygmunt, M. Preiskorn</i>	08.14 VALIDATION OF A GENERATOR FOR DEW POINT TEMPERATURE UP TO 140 °C AND PRESSURE UP TO 0.6 MPa WITH MICROWAVE HYGROMETRY <i>S. Tabandeh, R. Gaviolo, V. Fericola</i>	08.19 LONG TERM STABILITY OF A DOPED NiC EUTECTIC CELL FOR RADIATION THERMOMETRY <i>R. Teixeira, G. Machin</i>	
08.5 MANUFACTURE OF TRIPLE POINT OF WATER CELLS AT VSL: A REVIEW OF THE PAST 25 YEARS <i>J. L. W. A. van Geel, A. Peruzzi, R. Bosma</i>	08.10 COOLING OF HIGH POWER LED LAMP USING A COMMERCIAL PARAFFIN WAX <i>J. Zmywaczyk, P. Zbińkowski, H. Smogór, A. Olejnik, P. Koniorczyk</i>	08.15 A LOW-FROST POINT GENERATOR FOR OPERATION AT SUB-ATMOSPHERIC PRESSURE <i>L. Rosso, R. Cuccaro, D. Smorgon, G. Beltramina, V. Fericola</i>	08.20 CONSTRUCTION, CALIBRATION AND APPLICATION OF A LWIR PYROMETER WITHIN THE EU PROJECT STARGTE <i>J. Manara, M. Zipf, T. Stark, M. Arduini, H. P. Ebert, A. Tutschke, A. Hallam, J. Hanspal, M. Langley, J. Hartmann</i>	
15:45 - 16:45				
Coffee break & Poster Session VI				
15:45 - 16:45 Poster Session VI	Room P			
	Fundamental Aspects and Standards			
	P6.1 EFFECTS OF COPPER BUSHINGS ON THE TRIPLE POINT OF WATER REALIZED BY THE CELLS WITH DIFFERENT THERMOMETER WELL DIAMETERS <i>X. Yan, P. Wang, W. Wang</i>			
	P6.2 CALIBRATION OF CAPSULE SPRTS AT THE TRIPLE POINT OF WATER IN COPPER SEALED CELLS <i>C. Cappella, F. Sparasci, L. Pitre, B. Buée</i>			
	P6.3 MAGNETIC EFFECTS ON REALISATION OF TRIPLE POINT OF WATER <i>G. Gersak, V. Zuzek, J. Bojkovski, S. Begus</i>			
	P6.4 ADVANCED MEASUREMENT DISSEMINATION FOR THERMODYNAMIC QUANTITIES <i>G. Strouse, Z. Ahmed, M. Chojnacky, P. Egan, J. Hendricks, N. Klimov, D. Olson, T. Purdy, J. Ricker, G. Scace, J. Stone, W. Tew</i>			
	Applications, Traceability and Dissemination			
	P6.5 MEASUREMENT OF TEMPERATURE AND GAS CONCENTRATION IN A FLAME BASED ON A HYPERSPECTRAL IR IMAGER <i>M. A. Rodríguez, G. Guarnizo, J. Meléndez, S. Briz, A. S. de Castro, F. López, M. J. Martín, D. del Campo</i>			
	P6.6 A NEW METHOD OF TEMPERATURE MEASUREMENT BY DUAL-COMB SPECTROSCOPY OF VIBRATION-ROTATION BANDS OF SEVERAL SIMPLE MOLECULES <i>Y. Shimizu, S. Okubo, A. Onae, H. Inaba</i>			
	P6.7 DESIGN AND CONSTRUCTION OF A THERMOSTATIC BATH <i>L. Lira-Cortés, O. Gonzalez-Rodriguez, S. Garcia-Duarte</i>			
	P6.8 DESIGN AND CONSTRUCTION OF A NEW REFERENCE COMBUSTION CALORIMETER: I. THE BURNER <i>L. Lira-Cortés, J. E. E. Gonzalez-Duran, A. Estrada-Baltazar</i>			
P6.9 THERMAL DIFFUSIVITY RELATD TO MICROSTRUCTURE OF YSZ TOP-COATING OF THERMAL BARRIER COATINGS <i>M. Akashima, M. Yakota, S. Takahashi</i>				
P6.10 ANALYSIS OF SPRT CALIBRATION DATA OBTAINED AT NPL SINCE THE INTRODUCTION OF THE ITS-90 <i>J. Pearce, J. Crabb, C. Elliott, R. Rusby</i>				

WEDNESDAY, 29.06.2016

15:45 - 16:45	Coffee break & Poster Session VI			
15:45 - 16:45 Poster Session VI	Room P			
	Meteorology and Climate			
	P6.12 WORKS ON THE NOVEL SPACE-BORNE REFERENCE SOURCE TO SUPPORT TEMPERATURE MEASUREMENTS FOR CLIMATE			
	<i>A. Burdakin, B. Khlavnyov, V. Krutikov, A. Panfilov, A. Puzanov, V. Rakov, M. Samoylov, V. Sapritsky, E. Us, A. Ivanov, A. Lysak, M. Kudashkina</i>			
	P6.13 VARIABILITY OF THERMOMETRIC CHARACTERISTICS OF SENSORS USED FOR METEOROLOGICAL APPLICATIONS			
	<i>A. Grykalowska, A. Kowal, T. Sawiński, A. Szymka-Grzebyk</i>			
	P6.14 AIR TEMPERATURE MEASUREMENTS AND ANALYSIS OF LONG-TERM CHANGES IN TAIWAN			
	<i>S. F. Tsai, S. C. Wang, J. Y. Yeh</i>			
	P6.15 ACTIVITIES OF THE CCT TG ENVIRONMENT			
	<i>A. Merlone, C. Garcia Izquierdo, Y. G. Kim, F. Sparasci, P. Thorne, J. Zhang, G. F. Strouse, E. Van der Ham, J. Tamba, T. Usuda, E. Ejigu, S. Bell, M. de Padesta, C. Monte, P. Pawlonek, D. Grasel, M. Heinoanen, M. Kalemci</i>			
	P6.16 DEVELOPMENT OF LOW-TEMPERATURE HUMIDITY CHAMBER FOR RADIOSONDE CALIBRATION			
	<i>B. I. Choi, S. Lee, S. B. Woo, J. C. Kim, Y. G. Kim</i>			
	Temperature Methods and Sensors			
	P6.17 TESTS OF STABILITY IN LOW TEMPERATURE OF RhFe THERMOMETERS PRODUCED IN CHINA			
<i>B. Kalodziej, A. Kowal, H. Manuszkiewicz, A. Szymka-Grzebyk, P. Lin, B. Gao, L. Yu</i>				
P6.18 DEVELOPMENT OF CHINESE STANDARD TYPE OF RHODIUM-IRON RESISTANCE THERMOMETER				
<i>P. Lin, X. Li, B. Gao, L. Yu, R. Huang, F. Li</i>				
P6.19 CHARACTERISTICS OF STANDARD CAPSULE-TYPE PtCo RESISTANCE THERMOMETER BETWEEN 0.65 K AND 25 K				
<i>T. Shimazaki, T. Nakano, S. Takasu</i>				
P6.20 CRITERIA SYSTEM OF SPECTRAL CHANNELS FORMATION FOR MULTIBAND RADIATION THERMOMETER				
<i>N. Hots</i>				
P6.22 INDUSTRIAL STANDARDIZATION OF TWO-COLOR RATIO THERMOMETER AND ITS TEST METHODS				
<i>N. Sasajima, T. Shimizu, S. Kadoya, Y. Yamada</i>				
P6.23 AN ATTEMPT TO SIMPLIFY THE DETERMINATION OF THE SIZE OF SOURCE EFFECT IN RADIATION THERMOMETERS				
<i>H. Rodriguez-Arteaga, D. Cárdenas-García</i>				
P6.24 DETECTOR-BASED CHARACTERIZATION OF A MID-INFRARED WAVELENGTH RANGE RADIATION THERMOMETER				
<i>R.D. Taubert, C. Monte, T. Pohl, J. Hollandt</i>				
P6.25 EFFECTIVE WAVELENGTHS IN TEMPERATURE SCALE REALISATION AND RADIANCE TEMPERATURE MEASUREMENT				
<i>Z. Yuan</i>				
P6.26 A GREYBODY MODEL BASED MULTI-WAVELENGTH RADIANCE TEMPERATURE CALIBRATION METHOD FOR BLACKBODY SOURCES				
<i>Z. Yuan, X. Hao, J. Wang, T. Wang</i>				
16:45 - 18:00	Oral Session IX			
16:45 - 18:00 Oral Session IX	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Traceability, Dissemination	Humidity and Moisture	Temperature Methods and Sensors
	Thermodynamic temperature determinations (II)	Interlaboratory comparisons	Humidity and moisture standards (II)	Noble-metal thermocouples
	Chair: Roberto Gavioso	Chair: Helen McEvoy	Chair: Vito Ferricola	Chair: Jonathan Pearce
	O9.1 CYLINDRICAL ACOUSTIC GAS THERMOMETER IN THE TEMPERATURES FROM 250 K TO 350 K	O9.5 INTERLABORATORY COMPARISON OF RADIATION THERMOMETER CALIBRATIONS IN TURKEY	O9.9 TOWARD A FUNDAMENTAL DEFINITION OF RELATIVE HUMIDITY	O9.13 THE MELTING POINT OF PALLADIUM USING MINIATURE FIXED POINTS OF DIFFERENT CERAMIC MATERIALS – PRINCIPLES AND PERFORMANCES
	<i>J. Zhang, K. Zhang, X. Feng, H. Lin</i>	<i>O. Pehlivan, A. Diril, M. Kalemci</i>	<i>J. Lovell-Smith, R. Feistel</i>	<i>F. Edler, K. Huang</i>
	O9.2 NOVEL MEASUREMENT OF ABSOLUTE TEMPERATURE VIA CONSTANT-PRESSURE REFRACTIVE INDEX GAS THERMOMETRY	O9.6 COMPARISON OF A RADIATION THERMOMETER IN THE RANGE FROM 600 °C TO 1500 °C BETWEEN MIRS/UL-FE/LMK AND NPL	O9.10 RELATIVE HUMIDITY AT TEMPERATURES UP TO 180 °C AND PRESSURES UP TO 6 BAR	O9.14 DESIGN AND INVESTIGATION OF PD-C EUTECTIC FIXED POINT IN NMIA FOR THERMOCOUPLE CALIBRATION
	<i>B. Gao, L. Pitre, M. D. Plimmer, P. Lin, J. Zhang, X. Feng, L. Yu, F. Sparasci</i>	<i>I. Pušnik, H. McEvoy, A. Whittam</i>	<i>R. Bosma, A. Peruzzi, J. van Geel</i>	<i>F. Jahan, H. Ogura, M. J. Ballico, E. vander Ham, N. Sasajima</i>
	O9.3 NRC MICROWAVE REFRACTIVE INDEX GAS THERMOMETRY IMPLEMENTATION BETWEEN 24.5 K AND 84 K	O9.7 THE CCT-S1 SUPPLEMENTARY COMPARISON OF INFRARED SPECTRAL EMITTANCE	O9.11 CONTROLLING THE CONCENTRATION OF WATER IN HIGH PURITY GAS IN THE RANGE BETWEEN 1 AND 200,000 ppb	O9.15 EVALUATION OF CURRENT GOLD AND PLATINUM WIRE FOR USE IN GOLD PLATINUM THERMOCOUPLES
	<i>P. M. C. Rourke</i>	<i>L. Hanssen, B. Wilthan, J. R. Filtz, J. Hameury, C. Monte, J. Hollandt, F. Girard, M. Battuello, J. Ishii</i>	<i>K. Fukuda, H. Abe</i>	<i>K. Garrity, W. Tew</i>
O9.4 GAS-FILLED ACOUSTIC RESONATORS: EFFECTS OF A TEMPERATURE GRADIENT	O9.8 EURAMET-T-K1: KEY COMPARISON FROM 2.6 K TO 24.6 K, USING RHODIUM-IRON RESISTANCE THERMOMETERS	O9.12 NEW METHODS FOR ESTABLISHING SI TRACEABILITY FOR MOISTURE MEASUREMENTS IN SOLID MATERIALS	O9.16 Au/Pt THERMOCOUPLES WITH QUARTZ GLASS INSULATION	
<i>J. B. Mehl, M. R. Moldover, K. A. Gillis</i>	<i>C. Gaiser, B. Fellmuth, P. Steur, A. Szymka-Grzebyk, H. Manuszkiewicz, L. Lipiński, A. Peruzzi, R. Rusby, D. Head</i>	<i>M. Heinoanen, S. Bell, G. Cortellessa, I. Crina-Niculescu, V. Ferricola, E. Georgin, D. Hudoklin, I. Leito, J. Nielsen, S. O. Aytekin, P. Osterberg, R. Strnad</i>	<i>P. Pavlasek, F. Edler, S. Duris, R. Palencar</i>	
19:00	Szymanowski Restaurant (1st floor)			
	Polish Dinner			

THURSDAY, 30.06.2016

Room A				
8:45 - 9:30	Chair: Yuning Duan			
	Plenary Lecture ADVANCES AND PROSPECTS IN HIGH TEMPERATURE RADIOMETRY <i>Boris Khlevnoy, All Russian Research Institute for Optical and Physical Measurements, Russia</i>			
9:30 - 10:30 Oral Session X				
9:30 - 10:30 Oral Session X	Room A	Room B	Room C	Room D
	Fundamental Aspects and Standards	Thermal Quantities	Humidity and Moisture	Meteorology and Climate
	Temperature scales and interpolation (II)	Nano/micro properties	Humidity and moisture standards (III)	Traceability and quality
	Chair: Dolores del Campo	Chair: Andrew Heyes	Chair: Seda Aytekin	Chair: Carmen Garcia Izquierdo
	O10.1 CALCULATING SPRT INTERPOLATION ERROR <i>S. Gentil, I. Lóio, E. Filipe, R. Bosma, A. Peruzzi</i>	O10.4 MEASUREMENTS OF THERMAL PROPERTIES OF CANDIDATE MATERIALS FOR STHM CALIBRATION <i>B. Hay, S. Gomes, G. Davee, L. Ramiandrisoa, D. Renahy</i>	O10.7 WATER-VAPOR ENHANCEMENT FACTOR MEASUREMENTS IN COMPRESSED AIR <i>C. Meyer</i>	O10.10 PROVIDING TRACEABILITY TO REMOTE MEASUREMENTS OF ATMOSPHERIC ESSENTIAL CLIMATE VARIABLES VIA THE RADIATION TEMPERATURE SCALE <i>C. Monte, B. Gutschwager, A. Adibekyan, M. Kehrt, M. Reiniger, F. Olschewski, I. Krisch, P. Preuse, J. Ungermann, A. Kleinert, H. Oelhaf, A. Ebersoldt, F. Friedl-Vallon, P. Dekker, S. van den Berg, C. Schmidt, S. Wüst, M. Bittner, J. Hollandt</i>
O10.2 THE LINK BETWEEN SPRT SUB-RANGE INCONSISTENCY AND TYPE 3 NON-UNIQUENESS IN THE ITS-90 <i>R. Rusby, J. Crabb, J. Pearce, C. Elliott</i>	O10.5 MEASUREMENT OF THERMOPHYSICAL PROPERTIES ON THIN FILM MATERIALS <i>H. Renner, V. Linseis, K. Nielsch</i>	O10.8 DETERMINATION OF WATER VAPOUR ENHANCEMENT FACTORS BY USE OF A TWO PRESSURE HUMIDITY GENERATOR <i>H. Mitter, R. Kurte</i>	O10.11 IMPROVING THE TRACEABILITY OF METEOROLOGY MEASUREMENTS AT AWSs IN THAILAND <i>T. Keawprasert, T. Sinhaneti, P. Poontharo, A. Nimsomur</i>	
O10.3 ANALYSIS AND CORRECTIONS OF A CALIBRATED PLATINUM RESISTANCE THERMOMETER DUE TO RESISTANCE CHANGES <i>D. Cywiak, D. Licea-Panduro, E. Mendez-Lango</i>	O10.6 TEMPERATURE CALIBRATION OF PHOTOTHERMAL RADIOMETRY DEVICE FOR THIN FILMS THERMAL PROPERTIES MEASUREMENT <i>N. Fleurence, B. Hay</i>	O10.9 IMPLEMENTATION OF THE NEW SURFACE MOISTURE SENSOR CALIBRATION SYSTEM <i>D. Hudoklin, S. Begus, S. Ranogajec, G. Cartelleso, F. Arpino, V. Fericola, G. Beges</i>	O10.12 DEVELOPMENT OF A 300 I TEMPERATURE BATH FOR CALIBRATION OF OCEANOGRAPHIC THERMOMETERS <i>S. Baba, K. Yamazawa, T. Nakano, I. Saito, T. Wakimoto, K. Kato</i>	
10:30 - 11:45 Coffee break & Poster Session VII				
10:30 - 11:45 Poster Session VII	Room P			
	Fundamental Aspects and Standards			
	P7.1 TRANSDUCERS IN ACOUSTIC GAS THERMOMETRY: CHARACTERISATION AT LOW TEMPERATURES <i>C. Guianvarc'h, L. Risehari, P. Honzik, N. Joly, S. Durand, D. Rodrigues, R. M. Gavião, M. Bruneau</i>			
	P7.2 TOWARDS APPLYING OF MeP-K ABOVE COPPER POINT <i>B. Khlevnoy, V. Gavrilov, I. Grigoryeva, D. Otryaskin, M. Samoylov, V. Sapritsky, M. Solodilov</i>			
	P7.3 IMPACT OF THE SPECTRUM CHARACTERISTICS ON THE INTEGRAL TRANSMITTANCE MEASUREMENT OF LENS <i>X. Lu, Y. Han, Z. Yuan, X. Hao</i>			
	P7.4 VERY LARGE ACOUSTIC THERMOMETERS, TEMPERATURE GRADIENTS, AND FLOW STANDARDS <i>M. Moldover, K. Gillis, J. Mehl</i>			
	Thermal Quantities, Traceability and Dissemination			
	P7.5 METAL-CARBON EUTECTIC TEMPERATURE INDICATOR FOR MEASURING TEMPERATURE DISTRIBUTION OF SiC WAFER <i>N. Sasajima, Y. Yamada</i>			
	P7.6 RELIABILITY OF EUTECTIC FIXED-POINT CALIBRATION INSTALLATIONS OVER EIGHT YEARS <i>J. Pearce, C. Elliott, T. Ford, O. Ongrai</i>			
	P7.7 BILATERAL COMPARISON OF THE TEMPERATURE STANDARDS BETWEEN 83 K AND 273 K MAINTAINED AT GUM AND INTIBS <i>A. Szymrka-Grzebyk, A. Grykałowska, B. Kołodziej, A. Kowa I, H. Manuszkiwicz, E. Grudniewicz, M. Kozicki, A. Welna</i>			
	P7.8 RADIANCE TEMPERATURE COMPARISON BETWEEN CENAM AND PTB FROM -25 °C TO 100 °C <i>D. Cárdenas-García, B. Gutschwager, J. Hollandt</i>			
P7.10 BILATERAL INTER-LABORATORY COMPARISON OF STANDARD PLATINUM RESISTANCE THERMOMETERS FROM -40 °C TO 230 °C <i>N. Arifović, N. Hadžić, S. Čohodarević, M. Kalemci, N. Jandrić</i>				

THURSDAY, 30.06.2016

10:30 - 11:45	Coffee break & Poster Session VII
	Room P
	Thermal Quantities, Traceability and Dissemination
	<p>P7.11 INTERCOMPARISON OF HIGH-TEMPERATURE BLOCK CALIBRATORS <i>S. Rudtsch, B. Werner, O. Schnelle-Werner, D. Jehnert</i></p>
	<p>P7.12 PRT COMPARISON THROUGH REGULAR CALIBRATION SERVICES AN ALTERNATIVE TO KEY COMPARISONS <i>E. Mendez-Lango, M. Araya, D. Licea-Panduro</i></p>
	<p>P7.13 A SPANISH NATIONAL COMPARISON OF FROST/DEW-POINT TEMPERATURE IN THE RANGE FROM -20 °C TO 68 °C <i>T. Vicente, M. Rodriguez, F. Conde, L. De Rivas, J. De Lucas, P. Hernandez, R. Benyon</i></p>
	<p>P7.14 UPDATE ON PROGRESS WITH THE RADIATION THERMOMETRY KEY COMPARISON CCT-K10 <i>H. McEvoy, G. Machin, L. Xiaofeng, M. Martin, C. Gibson, H. Yoon, V. Khromchenko, A. Todd, M. Matveyev, D. Taubert, K. Anhalt</i></p>
	<p>P7.15 MODELLING OF THE SPECIMEN TEMPERATURE DROP OF A HIGH TEMPERATURE EMISSIVITY MEASUREMENT FACILITY <i>W. Dong, X. Liu, H. Lin, P. Bloembergen, Z. Yuan</i></p>
	<p>P7.16 EMISSIVITY MEASUREMENTS OF THIN FILMS <i>A. Adibekyan, C. Monte, J. Hollandt</i></p>
	<p>P7.17 A METHOD OF QUANTITATIVE EMISSIVITY MEASUREMENT FOR DIFFERENT ALUMINIUM ALLOYS WITH OXIDE FILMS <i>C. Zhu, J. Willmott</i></p>
	<p>P7.18 THE TEMPS FACILITY FOR OPTICAL PROPERTY METROLOGY OF MATERIALS AT HIGH TEMPERATURES <i>L. Hanssen, S. Mekhontsev, S. Grantham</i></p>
	<p>P7.19 THERMAL AND ELECTRICAL CONDUCTANCE OF NANOSTRUCTURES <i>W. Nawrocki</i></p>
	Humidity and Moisture, Meteorology and Climate
	<p>P7.20 RELATIVE HUMIDITY CALIBRATIONS WITH THE NIST HYBRID HUMIDITY GENERATOR <i>C. Meyer, W. Miller, G. Scace</i></p>
	<p>P7.21 VALIDATION THE MBW FROST-POINT STANDARD HUMIDITY GENERATOR <i>D. Mutter, S. Wettstein</i></p>
10:30 - 11:45	<p>P7.22 SI TRACEABILITY TO MEASURE HUMIDITY AT HIGH TEMPERATURES AND TRANSIENT CONDITIONS <i>E. Georgin, L. Cavallarin, M. Dell'Isola, V. Ebert, V. Fericola, A. Giannattasio, M. Heinonen, D. Hudoklin, A. B. Kentved, J. Nielsen, P. F. Østergaard, A. Peruzzi, T. Pietari, R. J. Pouw, W. van Schaik, S. Waqner, O. Werhahn</i></p>
Poster	<p>P7.24 PROTOCOL AND PROCEDURE FOR ILC IN THE METEOROLOGY AND CLIMATE FIELD <i>D. Groselj, J. Bajkovski, J. Drnovsek, D. Hudoklin, G. Beges</i></p>
Session VII	Temperature Methods and Sensors
	<p>P7.25 THE MELTING POINT OF PALLADIUM USING MINIATURE FIXED POINTS OF DIFFERENT CERAMIC MATERIALS – ANALYSIS OF MELTING CUVES AND LONG TERM INVESTIGATION <i>F. Edler, K. Huang</i></p>
	<p>P7.26 Au WIRE BRIDGE METHOD – NEW MEASUREMENTS FOR ITS VALIDATION <i>M. Kozicki, S. Wiśniewski, B. Wiśniewska</i></p>
	<p>P7.27 DEMANDS TO THE DESIGN OF TEMPERATURE FIXED POINT CELLS <i>C. Shu, O. Kochan, M. Mykyichuk, V. Kochan, D. Zahorodnia</i></p>
	<p>P7.28 RESEARCH OF HIGH PRECISION VACUUM BLACKBODY SOURCE FOR CALIBRATING THE CHINESE INFRARED REMOTE SENSING <i>X. Hao, J. Sun, L. Gong, P. Wen, J. Song, M. Xu</i></p>
	<p>P7.29 VARIABLE TEMPERATURE BLACKBODIES VIA VARIABLE CONDUCTANCE: THERMAL DESIGN, MODELLING AND TESTING <i>N. Melzack, E. Jones, R. E. J. Watkins, J. G. Hurley, S. Fok, C. Sawyer, G. Marchetaux, A. Acreman, R. Winkler, D. Lowe Lowe, T. Theocharous, V. Montag, D. Gibbs, A. B. Pearce, G. Bishop, E. Newman, S. Keen, A. Pearce, R. Stamper, A. Cantell-Hynes</i></p>
	<p>P7.30 DIFFERENTIAL AND PRECISION BLACKBODY MODELS FOR THERMAL MEASUREMENTS <i>S. Ogarev, M. Samoylov, K. Leushin</i></p>
	<p>P7.31 A NEW COMPACT VARIABLE TEMPERATURE BLACKBODY SOURCE WITH CARBON-NANO-TUBE COATING <i>Y. Shimizu, Y. Yamada, H. Oikawa, S. Kadoya, T. Shimizu</i></p>
	<p>P7.32 FACILITY FOR MEASURING THE SPATIAL UNIFORMITY OF THE RADIATION POWER OF THE SURFACE OF WIDE-APERTURE BLACKBODY <i>S. Marozova, B. Lisiansky, A. Dunaev, A. Katysheva, V. Sapritsky, A. Panfilov, N. Parfentyev, D. Karpunin, S. Ogarev</i></p>
	<p>P7.33 DEVELOPMENT OF BLACKBODIES FOR CALIBRATION OF THERMAL IMAGERS <i>S. Ljungblad, M. Holmsten, L. E. Josefson</i></p>
	<p>P7.34 STABILITY OF HIGH-TEMPERATURE FIXED POINT CELLS DURING THERMODYNAMIC TEMPERATURE DETERMINATION <i>Y. Yamada, M. Battuello, F. Girard, M. Sadli, F. Bourson, D. Lowe, T. Wang, W. Dong, E. Woolliams, G. Machin</i></p>
	<p>P7.35 MEASUREMENT OF AXIAL TEMPERATURE UNIFORMITY NA AND Cs HEATPIPE BLACKBODY SOURCE <i>J. H. Wang, Z. D. Yuan, Y. Y. Duan</i></p>
	<p>P7.36 ANNEALING AND OXIDATION EFFECTS FOR NEW AND OLD SPRT DESIGNS <i>L. Šindelářová</i></p>

THURSDAY, 30.06.2016

11:45 - 13:00				
Oral Session XI				
	Room A	Room B	Room C	Room D
11:45 - 13:00 Oral Session XI	Fundamental Aspects and Standards ITS-90 fixed points (III)	Applications Dynamic and transient measurements Surface temperatures (II)	Humidity and Moisture Moisture in materials (II)	Fundamental Aspects and Standards High Temperature Fixed Points (II)
	Chair: Edgar Mendez Lango	Chair: Peter Pavlasek	Chair: Domen Hudoklin	Chair: Mohamed Sadli
	O11.1 SULFUR HEXAFLUORIDE: A NOVEL FIXED POINT FOR CONTACT THERMOMETRY <i>S. N. Dedyulin, A. D. W. Todd</i>	O11.5 TEMPERATURE DEPENDENCE OF DYNAMIC PARAMETERS – IS THERE A UNIVERSAL MODEL? <i>S. Augustin, T. Fröhlich</i>	O11.9 METROLOGICALLY TRACEABLE DETERMINATION OF THE WATER CONTENT IN BIOPOLYMERS: INRIM ACTIVITY <i>F. Rolle, G. Beltramo, V. Fericola, M. Segal, A. Verdoja</i>	O11.13 ON THE DERIVATION OF IMPURITY PARAMETERS FOR THE PERITECTIC WC-C <i>P. Bloembergen, W. Dong, T. Wang</i>
	O11.2 REALIZATIONS OF THE TRIPLE POINT OF SULFUR HEXAFLUORIDE USING REFILLABLE PRESSURIZED CELLS <i>W. Tew, M. Chojnacki, J. Ricker</i>	O11.6 DYNAMIC CALIBRATION OF THERMOPILE BASED THIN FILM HEAT FLUX SENSOR BY MEANS OF LASER HEATING TECHNIQUE <i>S. Yang, J. Ding, S. Fu, T. Fröhlich, S. Ye</i>	O11.10 VALIDATION OF AN EVOLVED VAPOUR COULOMETRIC TECHNIQUE FOR WATER CONTENT DETERMINATION <i>P. Miao, S. Bell, C. McIlroy, C. Spray</i>	O11.14 THE LIMIT VALUES OF THE LIQUIDUS TEMPERATURE OF RHENIUM-, PLATINUM- AND COBALT-CARBON ALLOYS <i>D. Lowe, A. Todd, R. van den Bossche, P. Bloembergen</i>
	O11.3 A COMPARISON OF REPLICATED ISOTOPIC-COMPOSITION ASSAYS IN RELATION WITH THERMAL ANALYSES ON NEON <i>P. Steur, I. Yang, J. S. Kim, T. Nakano, K. Nagao, F. Pavese</i>	O11.7 COMPETITIVE NON-INVASIVE TEMPERATURE MEASUREMENT FOR PROCESS INDUSTRY <i>J. Gebhardt, A. Decker, P. Szasz, S. Wildermuth, T. Merlin, H. Schwanzler</i>	O11.11 QUALITY ASSURANCE OF MOISTURE CONTENT MEASUREMENTS IN RICE AND PADDY IN THAILAND <i>T. Sinhaneti, T. Keawprasert, P. Puantharo, W. Triarun, S. Sungzikaw</i>	O11.15 A REVIEW OF THE DEVELOPMENT OF HTFP CELLS AT LNE-CNAM OVER THE LAST 15 YEARS <i>F. Bourson, M. Sadli, S. Briaudeau, O. Kozlova, B. Rouglé</i>
O11.4 COMPARISON OF THE ARGON TRIPLE POINT TEMPERATURE IN CELLS OF DIFFERENT CONSTRUCTION <i>B. Kolodziej, A. Kowal, L. Lipiński, H. Manuskiewicz, A. Szymka-Grzebyk</i>	O11.8 CALIBRATION OF CONTACT SURFACE THERMOMETERS <i>E. Turzó-András</i>	O11.12 COMPARISON OF METHODS FOR MOISTURE CONTENT DETERMINATION IN PAPERBOARD <i>S. O. Aytakin, N. Karaböce, M. Eroğlu, N. Zorlu, H. Yilmaz</i>	O11.16 HIGH TEMPERATURE FIXED POINT AT NIM <i>T. Wang, W. Dong, C. Bai, Z. Yuan, X. Lu, Y. Duan</i>	
13:00 - 14:00				
Lunch				
14:00 - 15:45				
Oral Session XII				
	Room A	Room B	Room C	Room D
14:00 - 15:45 Oral Session XII	Fundamental Aspects and Standards Thermodynamic temperature determinations (III)	Applications Other applications	Humidity and Moisture Moisture in materials (III)	Fundamental Aspects and Standards Cryogenic thermometry
	Chair: Andrew Todd	Chair: Eric van der Ham	Chair: Martti Heinonen	Chair: Laurent Pitre
	O12.1 DEVELOPMENT OF RADIOMETRIC MEASUREMENT OF THERMODYNAMIC TEMPERATURE <i>Z. Yuan, X. Lu, X. Hao, W. Dong, T. Wang, Y. Lin, J. Wang, Y. Duan</i>	O12.6 TEMPERATURE AS A CRITICAL PARAMETER IN CHEMICAL MEASUREMENTS <i>E. Bulska, E. Kurek, A. Ruszczyńska</i>	O12.11 A LABORATORY EXPERIMENT FOR MONITORING THE TIME DEVELOPMENT OF WATER FREEZING PROCESSES IN POROUS MATERIALS <i>J. Kočí, J. Maděra, R. Černý</i>	O12.16 LOW TEMPERATURE THERMOMETRY IN SCIENCE AND APPLICATION <i>A. Szymka-Grzebyk</i>
	O12.2 THERMODYNAMIC TEMPERATURE OF HTFPs TRACEABLE TO BLACKBODY- AND SYNCHROTRON RADIATION <i>M. Wähler, K. Anhalt, D. Taubert, R. Klein, R. Thornagel, J. Hollandt, V. Gavrilov, I. Grigoryeva, B. Khlevnoy, V. Sapritsky</i>	O12.7 DETERMINATION OF THERMAL CONDUCTIVITY OF CEMENT GEL FOR THE APPLICATION IN EFFECTIVE MEDIA THEORY <i>L. Fiala, M. Jerman, P. Reiterman, R. Černý</i>	O12.12 A THERMODYNAMIC CONSIDERATION ON THE MECHANISM OF ULTRASENSITIVE MOISTURE SENSING BY AMORPHOUS SILICA <i>Y. Tsukahara, T. Tsuji, T. Oizumi, S. Akao, N. Takeda, K. Yamanaka</i>	O12.17 REPRODUCIBILITY OF HELIUM-3 INTERPOLATION CONSTANT-VOLUME GAS THERMOMETER AT NMIJ <i>T. Nakano, O. Tamura, T. Misawa, S. Takasu, T. Shimazaki</i>
	O12.3 USING AN ABSOLUTELY CALIBRATED RADIATION THERMOMETER FOR T-T90 MEASUREMENTS <i>H. McEvoy, G. Machin, J. Woodward, H. Yoon, K. Lykke</i>	O12.8 CALIBRATION AND TESTING OF TEMPERATURE MEASUREMENT SYSTEMS FOR STUDY OF HEAT TRANSFER DEVICES <i>N. Koneva, L. Dornorod</i>	O12.13 VALIDATION OF SALT-HYDRATE REFERENCE MATERIALS FOR MEASUREMENTS OF WATER CONTENT <i>S. Bell, P. Miao, P. Carroll, C. Spray, C. McIlroy, R. Aro, I. Leito, I. Crina-Nicolescu</i>	O12.18 NEW EVALUATION OF T-T2000 FROM 0.02 K TO 1 K BY INDEPENDENT THERMODYNAMIC METHODS <i>J. Engert, A. Kirste, A. Shibahara, A. Casey, L. Levitin, J. Saunders, O. Hahtela, M. Meschke, J. Pekola</i>
	O12.4 MEASUREMENT OF THE THERMODYNAMIC MELTING TEMPERATURES OF HIGH-TEMPERATURE FIXED POINTS AT LNE-CNAM <i>S. Briaudeau, F. Bourson, S. G. R. Salim, O. Kozlova, D. Truong, A. Sadooni, B. Rouglé, M. Sadli</i>	O12.9 DEVELOPMENT OF THE THERMOELECTRIC FIGURE-OF-MERIT EVALUATION SYSTEM WORKING AT HIGH TEMPERATURE <i>S. Kwon, J. Lee, Y. G. Kim</i>	O12.14 AN INTERCOMPARISON OF MEASUREMENTS OF WATER CONTENT OF MATERIALS <i>P. Miao, P. Carroll, S. Bell, C. Spray, R. Aro, I. Crina-Nicolescu, M. S. Eroğlu, V. Fericola, P. Friis, N. Karaböce, I. Leito, J. Nielsen, S. O. Aytakin, F. Rolle, M. Segal</i>	O12.19 DIELECTRIC-CONSTANT GAS THERMOMETRY WITH NEON AND HELIUM FROM 30 K TO 140 K <i>C. Gaiser, B. Fellmuth, N. Haft</i>
O12.5 PROGRESS IN THE CYLINDRICAL ACOUSTIC GAS THERMOMETRY AT HIGH TEMPERATURE <i>X. Feng, G. Gillis, M. Moldover, J. Zhang, H. Lin</i>	O12.10 INFLUENCE OF LIQUIDS AND GLASSWARE ON MEASUREMENT OF TEMPERATURE IN THE INCUBATOR <i>G. Geršak, I. Pušnik</i>	O12.15 TOWARDS IMPROVED INDUSTRIAL MEASUREMENTS OF HUMIDITY IN SULPHUR HEXAFLUORIDE <i>D. Mutter, R. Hardy, H. Mitter, S. Wettstein, R. Kurte</i>	O12.20 MUSING ON CRYOGENIC THERMOMETRY - A DINOSAUR-LIKE TALE? <i>F. Pavese</i>	

THURSDAY, 30.06.2016

15:45 - 16:45	Coffee break & Poster Session VIII
15:45 - 16:45 Poster Session VIII	Room P
	Fundamental Aspects and Standards
	P8.1 DIFFERENCE BETWEEN T90 AND T2000 BETWEEN 0.65 K AND 1K <i>L. Riségari, B. Buée, L. Pitre, F. Sparasci, C. Guianvarc'h, M. Plimner</i>
	P8.2 REALIZATION OF THE ITS-90 USING 4He VAPOR-PRESSURE THERMOMETRY AT THE CCM <i>L. Yu, P. Lin</i>
	P8.3 DETERMINATION OF T-T90 ON A SET OF HIGH-TEMPERATURE FIXED POINTS AT LNE-CNAM <i>M. Sadli, F. Bourson, S. Briaudeau, S. Salim, O. Kozlova, D. Truong, A. Sadouni, B. Rougié</i>
	Applications, Thermal Quantities, Traceability and Dissemination
	P8.4 DESIGN AND CONSTRUCTION OF A NEW REFERENCE COMBUSTION CALORIMETER: II. THE COMBUSTION CHAMBER <i>L. Lira-Cortés, J. E. E. Gonzalez-Duran, A. Estrada-Baltazar</i>
	P8.5 TRANSPORTING FROZEN VACCINES SAFELY: METHODS FOR TEMPERATURE MONITORING AND CONTROL <i>M. Chojnacky, A. Rodriguez</i>
	P8.6 IMMERSION ERRORS IN TEMPERATURE PROBES UNDER HIGH-VACUUM CONDITIONS <i>W. Tew, E. Shirley</i>
	P8.7 TRACEABILITY OF TEMPERATURE AND HUMIDITY IN MONTENEGRO <i>T. Vukičević, J. Bojkovski</i>
	P8.8 COMPARISONS OF Co-C AND Pd-C EUTECTIC-POINT CELLS FOR THERMOCOUPLE CALIBRATION BETWEEN NMIA AND NMIJ <i>H. Ogura, F. Jahan, K. Yamazawa</i>
	P8.9 COMPARISON OF W-C FIXED POINTS BETWEEN VNIIOFI AND NIM <i>X. Lu, B. Khlevnoy, W. Dong, Z. Wu, T. Wang, Z. Yuan</i>
	P8.10 COMPARISON OF Ru-C EUTECTIC FIXED POINT CELLS BETWEEN VNIIOFI, NIM, KRIS, NMC-A*STAR, AND NMIJ <i>N. Sasajima, X. Lu, B. Khlevnoy, I. Grigoryeva, Y. Y. Shim, L. Wang, T. Wang, Y. Yamada</i>
	P8.11 IMPROVING THE DYNAMIC EMISSIVITY MEASUREMENT ABOVE 1000 K BY EXTENDING THE SPECTRAL RANGE <i>D. Gilberts, S. Krenek, K. Anhalt, D. R. Taubert</i>
	P8.12 STUDY OF CANDIDATES TO CERTIFIED REFERENCE MATERIAL FOR EMISSIVITY MEASUREMENTS <i>D. Cywiak, D. Cárdenas-García</i>
	P8.13 EMISSIVITY MEASUREMENTS AT HIGH TEMPERATURE <i>N. Sonneck-Museux, E. Scheer</i>
	P8.14 EXTENSION OF THE MEASUREMENT CAPABILITIES OF AN HYBRID TECHNIQUE SETUP FOR EMISSIVITY MEASUREMENTS <i>F. Girard, M. Battuello</i>
	P8.15 HIGH-ACCURACY EMISSIVITY DATA ON AEROGELAZE Z306, NEXTEL 811-21, HERBERTS 1534 AND AKTKAR FRACTAL BLACK <i>A. Adibekyan, E. Kononogova, C. Monte, J. Hollandt</i>
	P8.16 RESEARCH OF ULTRA-BLACK COATING EMISSIVITY BASED ON CONTROLLING SURROUNDING RADIATION METHOD <i>J. Song, X. Hao Z. Yuan, Z. Liu, L. Ding</i>
	Humidity and Moisture
	P8.17 DEVELOPMENT OF PSYCHROMETER USING POROUS CERAMIC PROBE FOR IMPROVED UTILIZATION OF SUPERHEATED STEAM <i>H. Iyota, K. Miura, H. Yoshioka, T. Tsujioka, M. Tanaka, N. Uesugi</i>
	P8.18 ULTRA-LOW MOISTURE PERMEATION MEASUREMENT THROUGH BARRIER-COATED FLEXIBLE FILMS WITH VARYING TEMPERATURE AND HUMIDITY FOR OLED <i>B. I. Chai, S. W. Lee, S. B. Woo, J. C. Kim, S. J. Seo</i>
	P8.19 NEW CELL AND DEVICE FOR SKIN HUMIDITY DETECTION <i>S. Krutovtsev, A. Tarasova, L. Krutovtseva, M. Chuprin, O. Ivanova, Y. Sazhinev</i>
	P8.20 DETERMINATION OF SOIL MOISTURE IN SELECTED RURAL REGIONS IN KOCAELI TURKEY <i>A. Uytun, M. Kalemci</i>
	Temperature Methods and Sensors
P8.21 A STUDY ABOUT THE PERFORMANCE IN DIFFERENT FLUIDS OF CSPTS CALIBRATED IN CONVENTIONAL FIXED POINT CELLS <i>C. Garcia Izquierdo, G. Coppa, D. del Campo, E. Gomez, A. Kowal, A. Merlone</i>	
P8.22 REVIEW OF GERMAIUM-ON-GALLIUM-ARSENIDE FILM RESISTANCE TEMPERATURE SENSORS <i>V. Miltin, V. Kholevchuk, E. Soloviev</i>	
P8.23 CRYOGENIC THERMOMETER CYCLING SYSTEM WITH A GM REFRIGERATOR <i>G. Zhou, K. R. Li, B. Bai, Q. Li</i>	
P8.24 EVALUATION OF STABILITY OF STANDARD THERMOMETERS FOR CALIBRATION BY COMPARISON METHOD AT NMIJ <i>T. Nakano</i>	
P8.25 REALIZATION OF THE PLTS-2000 FOR LOW-TEMPERATURE RESISTANCE THERMOMETER CALIBRATION SERVICES <i>H. Nakagawa</i>	
19:30	Room A
	Gala Dinner with the Tatra Mood Orchestra Concert