

TIMETABLE - HSP1

Thursday, 07.09.2017

morning

09:00 - 09:45	Plenary Lecture : Wolfgang Schützenhöfer
	NUMERICAL SIMULATION AS AN OPTIMIZATION TOOL AT A SPECIAL STEEL PRODUCER (BÖHLER EDELSTAHL)
	Chair: A. Muscio
09:45 - 10:10	Young Scientist Award Lecture: Andriy Yakymovych
	CALORIMETRIC OBSERVATION OF THE NANO EFFECT
	Chair: G. Pottlacher
10:10 - 10:30	Coffee
	Oral Session 6: Alternative Refrigerants
	Chair: S. Bobo, Y. Kano
10:30 - 10:50	MEASUREMENT AND CORRELATION OF THE THERMAL CONDUCTIVITY OF 1,1,1,2,2,4,5,5,5-NONAFLUORO-4-(TRIFLUOROMETHYL)-3-PENTANONE
	R. A. Perkins, M. L. Huber and M. J. Assael
10:50 - 11:10	LIQUID AND VAPOR PHASE DENSITY MEASUREMENTS FOR TRANS-1,3,3,3-TETRAFLUOROPROPENE (R1233ZD(E))
	L. Fedele, G. Di Nicola, J. S. Brown, S. Bobbo
11:10 - 11:30	SURFACE TENSION AND KINEMATIC VISCOSITY OF 2-METHYL-3-PENTANONE AND TRANS-1-CHLORO-3,3,3-TRIFLUOROPROPENE
	Junwei Cui, Yan Shaomin, Shengshan Bi, Jiangtao Wu
11:30 - 11:50	U-TUBE DENSITY MEASUREMENTS OF FOUR LUBRICANTS AND HOW CALIBRATION CHOICES MAY AFFECT RESULTS
	S. L. Outcalt
11:50 - 12:10	SPEED OF SOUND AND DIELECTRIC CONSTANT MEASUREMENTS FOR LOW-GWP REFRIGERANTS IN THE GAS PHASE
	Y. Kano, Y. Kayukawa, Y. Fujita
12:10 - 12:30	THERMAL CONDUCTIVITY OF R1234ZE(E) + R32 MIXTURES FROM 283 TO 363 K AT PRESSURES UP TO 20 MPA
	J. J. Kuang, H. Gao, J. T. Wu
12:30 - 12:50	VAPOR PRESSURE AND CRITICAL PRESSURE MEASUREMENTS OF R1233zd(E) AND R356mmz
	N. Sakoda, MA Islam, S. Koyama, Y. Takata, Y. Higashi
12:50 - 13:15	Closing Ceremony

TIMETABLE - HS P2

Thursday, 07.09.2017

morning

Oral Session 6: **New Measuring Techniques**

Chair: J. Blumm

10:30 - 10:50	MEASUREMENT OF PHYSICAL PROPERTIES ON THIN FILM MATERIALS H. Renner, V. Linseis, K. Nielsch
10:50 - 11:10	MEASUREEMENT OF SOFT CLAY LOAM MATERIALS BY TRANSIENT METHOD Vlastimil Boháč ¹ , Peter Dieska, Viliam Vretenár ¹ , Ján Hudec, V. Lukác
11:10 - 11:30	MORPHOMETRIC PROPERTIES IN DOUBLE-BEAM OPTICAL DILATOMETRY MEASUREMENT OF THERMAL EXPANSION Daniele Paganelli, Piero Scotto, Mariano Paganelli
11:30 - 11:50	STUDY ON OPTICAL MANIPURATION FOR MICRO OPTICAL DIFFUSION SENSOR K. Yamamoto, Y. Taguchi, Y. Nagasaka
11:50 - 12:10	TEMPERATURE DEPENDENCE OF PHOTOCONDUCTIVE THIN FILM FOR MICRO OPTICAL DIFFUSION SENSOR M. Kamata, Y. Taguchi, Y. Nagasaka
12:10 - 12:30	3-D THERMAL DIFFUSIVITY MEASUREMENT AND EVALUATION OF CFRTP'S FIBER ORIENTATION WITH THERMOGRAPHY R. Fujita, H. Nagano
12:30 - 12:50	A NOVEL TECHNIQUE OF IN-PLANE THERMAL DIFFUSIVITY MEASUREMENT OF THIN FILMS USING THE FLASH METHOD Jozef Gembarovic, HengWang, Piero Scotto

TIMETABLE - HS BE01

Thursday, 07.09.2017

morning

Oral Session 6: **Equation of State**

Chair: W. Schröder

10:30 - 10:50	ON CUBIC EOS INTERACTION PARAMETER ESTIMATION FOR LONG CHAIN N-ALKANE + AROMATIC BINARY MIXTURES
	S. Ahitan, M. Luo, J. McLaughlin, J. M. Shaw
10:50 - 11:10	TRANSFERABILITY OF ASSOCIATIVE PARAMETERS USING A MODIFIED CPA EOS
	A. M. Palma, M. B. Oliveira, A. J. Queimada, J. A. P. Coutinho
11:10 - 11:30	A HELMHOLTZ ENERGY EQUATION OF STATE FOR CIS-1-CHLORO-2,3,3,3-TETRAFLUOROPROPENE (R-1224YD(Z))
	R. Akasaka, M. Fukushima, E. W. Lemmon
11:30 - 11:50	CONSISTENT VOLUME-TRANSLATED SRK EQUATION OF STATE FOR ASSOCIATING FLUIDS AND MIXTURES
	FF Yang, Q Liu ² , SH Li, YY Duan, Z Yang
11:50 - 12:10	ISOBARIC HEAT CAPACITIES OF LIQUID R1233zd (E) AT TEMPERATURES FROM 303 K TO 423 K AND PRESSURES UP TO 12 MPA
	Yu Liu, Xiaoming Zhao, Shaohua Lv, Hanwei He

TIMETABLE - HS BMT

Thursday, 07.09.2017

morning

Oral Session 6: **Photothermal and Photoacoustic Thermophysics Properties**

Chair: A. Mandelis

10:30 - 10:50	A PHOTOPYROELECTRIC APPROACH FOR ELECTROCALORIC EFFECT CHARACTERIZATION OF POLAR MATERIALS E. Bsaibess, S. Longuemart, M. Soueidan, B. Nsouli, A. Hadj Saharaoui
10:50 - 11:10	MODEL OF LOCK-IN SIGNALS FOR PULSED LIGHT HEATING THERMOREFLECTANCE TECHNIQUE TO MEASURE THERMOPHYSICAL PROPERTIES OF THIN FILM T. Yagi and K. Kobayashi
11:10 - 11:30	PHOTOPYROELECTRIC CHARACTERIZATION OF A FERROELECTRIC LIQUID CRYSTAL UNDER ELECTRIC FIELD M. Kuriakose, S. Longuemart, M. Depriester, Y. Boussoualem, A. Daoudi and A. Hadj Saharaoui

TIMETABLE - PHEG016

Thursday, 07.09.2017

morning

Oral Session 6: Optical and Thermal Radiative Properties	
Chair: B. Wilthan, K. Boboridis	
10:30 - 10:50	NON-CONTACT TEMPERATURE MEASUREMENT OF COMBUSTION GASES AT HIGH TEMPERATURES AND HIGH PRESSURES M. Zipf, J. Manara, T. Stark, M. Arduini, H. P. Ebert, J. Hartmann
10:50 - 11:10	EMISSIVITY, REFLECTIVITY AND TRANSMISSIVITY OF SEMITRANSSPARENT FIBRE REINFORCED PLASTIC COMPOSITES A. Adibekyan, E. Kononogova, C. Monte, B. Gutschwager and J. Hollandt
11:10 - 11:30	A NOVEL INDEX FOR THE OVERALL PERFORMANCE OF OPAQUE BUILDING ELEMENTS COMBINING THERMAL INSULATION, INERTIA AND RADIATIVE PROPERTIES Alberto Muscio, Hashem Akbari
11:30 - 11:50	MID-INFRARED OPTICAL PROPERTIES OF PYROLYTIC BORON NITRIDE AT HIGH TEMPERATURE I. González de Arrieta, T. Echániz, R. Fuente, L. del Campo, D. De Sousa Meneses, M. J. Tello, G. A. López
11:50 - 12:10	RETRIEVAL OF COUPLED THERMAL PROPERTIES AND THERMAL CONTACT RESISTANCE OF Al_2O_3 FOAMS S Zhao, X Lv, W Zhang, C Wang, X He