Information for the presenters

Oral presentations
The time allocated for the presentations is:

- Keynote : 45 minutes (40 minutes presentation + 5 minutes discussion)
- Oral presentation: 20 minutes (15 minutes presentation + 5 minutes discussion)

The presentation should be put on a USB stick and copied to the computer in the *"Speakers Preparation Desk"* at least two hours before the session starts.

The oral presentations will take place in the lectures-rooms in the auditorium i.e.:
Small Hall
Medium Hall A
Medium Hall B
Large Hall A

The opening will take place in *Large Hall (A+B).*
The keynote lectures and closing ceremony as well will take place in *Large Hall A.*

Poster presentations
The maximum poster size is ISO A0 – Portrait orientation.
The posters can be put on the poster boards during Coffee Breaks (on 20 June afternoon, or 21 June morning). All posters should be on the poster boards during Poster Session I and Poster Session II.
Please remove the poster at the end of 3rd conference day (22 June) by 17:15.
All poster presentations will be in *Seminar Room* (2nd floor).

Conference meetings

Monday 20 June: 16:50-19:30
EUROTHERM Committee meeting
(Only for EUROTHERM Committee members)
Location: Auditorium Maximum of the Jagiellonian University, *VIP Room (Conference Room)*, 33 Krupnicza Street, Krakow

Wednesday 22 June: 13:00-15:30
Meeting of the Assembly for International Heat Transfer Conferences
(Only for Assembly for International Heat Transfer Conferences members)
Location: Auditorium Maximum of the Jagiellonian University, *VIP Room (Conference Room)*, 33 Krupnicza Street, Krakow

Wednesday 22 June: 15:30-18:00
Meeting of Executive Committee International Centre for Heat and Mass Transfer
(Only for Executive Committee ICHMT members)
Location: Auditorium Maximum of the Jagiellonian University, *VIP Room (Conference Room)*, 33 Krupnicza Street, Krakow

EUROTHERM 2016 PROGRAMME

Registration desk will be open during following times:

Sunday (19 June 2016) from 15:00 to 18:00
Monday (20 June 2016) from 08:00 to 17:00
Tuesday (21 June 2016) from 09:00 to 17:00
Wednesday (22 June 2016) from 09:00 to 17:00
Thursday (23 June 2016) from 09:00 to 12:00

Auditorium Maximum of the Jagiellonian University
33 Krupnicza Street, Krakow

Sunday 19 June 2016

15:00 – 18:00	**Registration**
18:00 – 20:00	**Welcome reception** **Auditorium Maximum of the Jagiellonian University** **33 Krupnicza Street, Krakow** **(Exhibition Room)**

EUROTHERM 2016 PROGRAMME

Monday 20 June 2016

08:00 – 10:00	**Registration**			
10:00 – 10:30	**Opening Ceremony** **Chair: J.S. Szmyd, J. Spałek, A.J. Nowak, P. Di Marco** **(Large Hall)**			
10:30 – 11:15	**EUROTHERM Award Ceremony and Chopin Concert** **Chair: P. Di Marco, J.M. Coelho, J.S. Szmyd (Large Hall)**			
11:15 – 12:00	**Keynote lecture (Large Hall)** **Chair: J.S. Szmyd, P. Di Marco**			
	KL-1: ON ELECTROMAGNETIC MODULATION OF FLOW INSTABILITIES, MIXING AND HEAT TRANSFER IN CONDUCTING AND MAGNETIZED FLUIDS S. Kenjeres			
12:00 –13:00	**Lunch**			
	Small Hall	**Medium Hall A**	**Medium Hall B**	**Large Hall A**
13:00 – 14:40	**S-1: Computational/Numerical Methodology 1** **Chair: A.J. Nowak**	**S-2: Heat and Mass Transfer 1** **Chair: P. Stephan**	**S-3: Convection and Conduction 1** **Chair: R. Bialecki**	**S-4: Fluid Mechanics and Turbulence** **Chair: J.M. Coelho**
	CNM-8: IS COMPARISON WITH EXPERIMENTAL DATA A REASONABLE METHOD OF VALIDATING COMPUTATIONAL MODELS? V. Timchenko, S. A. Tkachenko, G.E. Lau, G. H. Yeoh, J. Reizes	**HaMT-1:** CONTROL OF HEAT TRANSFER IN ENGINE COOLERS BY LORENTZ FORCES Ch. Karcher, J. Kühndel	**CONVCOND-1:** SOLUTION OF INVERSE PROBLEMS FOR PRACTICAL THERMAL PROCESSES Y. Jaluria	**FM-2:** BUOYANCY-INDUCED LAGRANGIAN CHAOS: THE DIFFERENTIALLY-HEATED CAVITY REVISITED P.S. Contreras, M.F.M. Speetjens, H.J.H. Clercx
	CNM-2: NUMERICAL SIMULATION OF TURBULENT HEAT TRANSFER PAST A BACKWARD-FACING STEP: 2D/3D RANS VERSUS IDDES SOLUTION E. Smirnov, A. Smirnovskii, N. Schur, D. Zaitsev, P. Smirnov	**HaMT-2:** INFLUENCE OF BUOYANCY ON THE CONVECTIVE TURBULENT FLOW OF SODIUM OVER A BACKWARD-FACING STEP T. Schumm, L. Marocco, B. Frohnapfel	**CONVCOND-2:** EXPERIMENTAL STUDY OF AN EXTERNALLY FINNED TUBE WITH INTERNAL HEAT TRANSFER ENHANCEMENT FOR PHASE CHANGE THERMAL ENERGY STORAGE M. Martinelli, F Bentivoglio, R. Couturier, J-F. Fourmigué, P. Marty	**FM-3:** EXPERIMENTAL RESULTS FOR OSCILLATORY WATER FLOW IN 10-PPI METAL FOAM AT LOW-FREQUENCIES Ö. Bağcı, A. Arbak, M. De Paepe, N. Dukhan
	CNM-4: DIRECT NUMERICAL SIMULATIONS OF FLOW AND HEAT TRANSFER OVER A CIRCULAR CYLINDER AT Re=2000 M .C. Vidya, N. A. Beishuizen, T.H. van der Meer	**HaMT-3:** CORRELATION EQUATIONS FOR CONDENSING HEAT EXCHANGERS BASED ON AN ALGORITHMIC PERFORMANCE-DATA CLASSIFICATION A. Pacheco-Vega	**CONVCOND-4:** FLAME STRUCTURE OF NOZZLES OFFSETTING OPPOSITE FLOWS Y. Yahagi, Y. Morinaga, K. Hamaishi, I. Makino	**FM-4**: AN EXPERIMENTAL AND NUMERICAL STUDY ON HEAT TRANSFER AND ELECTROMAGNETIC PROBLEMS IN PMBL DC MOTOR B. Melka, J. Smolka, Z. Bulinski, A. Ryfa, J. Hetmanczyk, D. Makiela
	CNM-3: NUMERICAL SIMULATIONS OF CONJUGATE CONVECTION COMBINED WITH SURFACE THERMAL RADIATION USING IMMERSED-BOUNDARY METHOD F. Favre, G. Colomer, O. Lehmkuh, A. Oliva	**HaMT-4:** MODELING OF A VON PLATEN-MUNTERS DIFFUSION ABSORPTION REFRIGERATION CYCLE FOR POWER ELECTRONICS COOLING B. Agostini, F. Agostini, M. Habert	**CONVCOND-6:** A THERMAL STUDY OF POWER CABLES COOLING IN TUNNELS F. Boukrouche, C. Moreau, S. Harmand, F. Beaubert, J. Pellé, O. Moreau	**FM-5:** NEW SUBGRID-SCALE MODELS FOR LARGE-EDDY SIMULATION OF RAYLEIGH-BÉNARD CONVECTION F. Dabbagh, F. X. Trias, A. Gorobets, A. Oliva

	CNM-6: SEMI-IMPLICIT PARTITIONED METHODS FOR SIMULATION OF BIOMECHANICAL FLUID-STRUCTURE INTERACTION PROBLEMS A. Naseri, O. Lehmkuhl, I. Gonzalez, A. Oliva	**HaMT-5:** ENHANCED MICROCHANNEL HEAT TRANSFER IN MACRO-GEOMETRY USING CONVENTIONAL FABRICATION APPROACH K. T. Ooi, A. L. Goh	**CONVCOND-9:** EXPERIMENTAL ESTIMATION OF THE LOCAL HEAT-TRANSFER COEFFICIENT IN COILED TUBES IN TURBULENT FLOW REGIME F. Bozzoli, L. Cattani, A. Mocerino, S. Rainieri	**FM-6:** CFD SIMULATIONS OF SELECTED STEADY-STATE AND TRANSIENT EXPERIMENTS IN THE PLANDTL TEST FACILITY S. Gurgacz, U. Bieder, Y. Gorsse, K. Świrski
14:40 – 15:10	**Coffee Break**			
15:10 – 16:50	**S-5: Computational/Numerical Methodology 2 and Heat Transfer in Porous Media 1** **Chair: H. Iwai**	**S-6: Heat and Mass Transfer 2** **Chair: X. Zhang**	**S-7: Convection and Fluid Mechanics** **Chair : R. Bialecki**	**S-8: Phase Change Processes 1** **Chair: S. Kenjeres**
	CNM-7: THE INFLUENCE OF VARIABILITY OF CALCULATION GRIDS ON THE RESULTS OF NUMERICAL MODELING OF GEOTHERMAL DOUBLETS - AN EXAMPLE FROM THE CHOSZCZNO AREA, NORTH-WESTERN POLAND A. Wachowicz-Pyzik, A. Sowiżdżał, L. Pająk	**HaMT-6:** IDENTIFICATION OF THE HEAT TRANSFER FREQUENCY RESPONSE IN PULSATING LAMINAR AND SUBCRITICAL FLOW ACROSS A CYLINDER A. Witte, A. Cabrera, W. Polifke	**CONVCOND-8:** AN EXPERIMENTAL STUDY ON BUOYANCY INDUCED CONVECTIVE HEAT TRANSFER IN A SQUARE CAVITY USING MULTI-WALLED CARBON NANOTUBE (MWCNT)/WATER NANOFLUID P. Joshi, A. Pattamatta	**PCP-1:** NUMERICAL STUDY OF AN AIR-PCM HEAT EXCHANGER'S THERMAL PERFORMANCE F. Herbinger, M. Bhouri, D. Groulx
	RAD-1: EFFECT OF PORE-LEVEL GEOMETRY ON FAR-FIELD RADIATIVE PROPERTIES OF THREE- DIMENSIONALLY ORDERED MACROPOROUS CERIA PARTICLES J. Randrianalisoa, V. Wheeler, W. Lipiński	**HaMT-7:** INFLUENCES OF A SPILL RATE ON SPREAD AND EVAPORATION OF CRYOGENIC LIQUID ON LAND M. Kim, D. Nguyen, B. Choi	**CONVCOND-9:** EXPERIMENTAL ESTIMATION OF THE LOCAL HEAT-TRANSFER COEFFICIENT IN COILED TUBES IN TURBULENT FLOW REGIME F. Bozzoli, L. Cattani, A. Mocerino, S. Rainieri	**PCP-2:** CHARACTERIZATION OF PHASE CHANGE MATERIAL WITH FLUXMETRIC EXPERIMENTAL DEVICE L. Zalewski, P. Tittelein, D. Defer, S. Lassue
	PORMED-3: A NUMERICAL ANALYSIS ON A COMPACT HEAT EXCHANGER IN ALUMINUM FOAM B. Buonomo, D. Ercole, O. Manca, S. Nardini	**HaMT-8:** HEAT AND MASS TRANSFER IN A FALLING FILM EVAPORATOR WITH AQUEOUS LITHIUM BROMIDE SOLUTION M. Olbricht, J. Addy, A. Luke	**FM-7:** NUMERICAL SIMULATION OF THE SURFACE ROUGHNESS EFFECTS ON THE FLOW PAST A CIRCULAR CYLINDER I. Rodríguez, O. Lehmkuhl, U. Piomelli, J. Chiva, R. Borrell And A. Oliva	**PCP-3:** NUMERICAL STUDY OF DENDRITIC GROWTH DURING SOLIDIFICATION USING FRONT-TRACKING METHOD M. Ali Jaafar, S. Gibout, D. Rousse, J.-P. Bédécarrats
	PORMED-6: PERFORMANCE EVALUATION ANALYSIS OF METAL FOAM AND FLAT TUBE HEAT EXCHANGERS FOR HVAC APPLICATIONS B. Ameel, J. Degroote, H. Huisseune, Ö. Bağcı, J. Vierendeels, M. De Paepe	**HaMT-9:** HOW TO PERFORM NUMERICAL SIMULATIONS ON FINS IN BUOYANCY-DRIVEN HEAT TRANSFER? S. De Schampheleire, K. De Kerpel, B. Ameel, A. Sharif, M. De Paepe	**FM-8:** EFFECT OF OSCILLATION FREQUENCY ON WALL SHEAR STRESS AND PRESSURE DROP IN A RECTANGULAR CHANNEL FOR HEAT TRANSFER APPLICATIONS R. Blythman, T. Persoons, N. Jeffers, D. B. Murray	**PCP-4:** EFFECTS OF PREHEATING ON ICE GROWTH IN ANTIFREEZE POLYPEPTIDES SOLUTIONS IN A NARROW SPACE T. Miyamoto, N. Nishi, T. Waku, N. Tanaka, Y. Hagiwara
	PORMED-5: HEAT TRANSFER IN DIRECTLY IRRADIATED OPTICALLY-LARGE HETEROGENEOUS SPHERICAL PARTICLES L. Yue, V. Wheeler, W. Lipiński	**HaMT-10:** AIRSIDE THERMAL PERFORMANCE OF WAVY FIN HEAT EXCHANGERS PRODUCED BY SELECTIVE LASER MELTING J. Kuehndel, B. Kerler, C. Karcher	**HAMT-18:** COMPRESSOR EFFICIENCY IN THE LIGHT OF BLADE-FLUID THERMAL AND HYDRAULIC INTERACTION T. Kura, E. Fornalik-Wajs	
16:50 – 19:30	**EUROTHERM Committee meeting** **(Only for EUROTHERM Committee members)**			

EUROTHERM 2016 PROGRAMME

Tuesday 21 June 2016

09:00 – 10:30	**Keynote lectures (Large Hall A)** **Chair: Z. Kolenda, M. De Paepe**			
	KL-2: FLEXIBLE OPERATION OF THERMAL PLANTS WITH INTEGRATED ENERGY STORAGE TECHNOLOGIES E. Kakaras			
	KL-3: U.S. SHALE GAS TRENDS -ECONOMIC AND GLOBAL IMPLICATIONS T. Murphy			
10:30 – 10:50	**Coffee Break**			
	Small Hall	**Medium Hall A**	**Medium Hall B**	**Large Hall A**
10:50 – 12:30	**S-9:Two-phase/Multiphase Flows 1** **Chair: A. van Steenhoven**	**S-10: Heat and Mass Transfer 3** **Chair: Y. Hagiwara**	**S-11: Phase Change Processes 2** **Chair: M. De Paepe**	**S-12: Clean Coal and Gas Technologies** **Chair: Z. Kolenda**
	MULTI-1: NUMERICAL INVESTIGATION OF A TWO-PHASE WATER-STEAM FLOW IN A CYLINDRICAL HORIZONTAL CHANNEL G. Tymen, N. Allanic, P. Mousseau, A. Sarda, J-P. Caltagirone	**HaMT-11:** NUMERICAL SIMULATION OF CONJUGATE HEAT TRANSFER IN A TUBE BANK OF A SUBSEA COOLER BASED ON BUOYANCY EFFECTS N. Ivanov, V. Ris, N. Tschur, M. Zasimova	**PCP-5:** THERMOSYPHON ASSISTED MELTING OF PCM INSIDE A RECTANGULAR ENCLOSURE: A SYNERGISTIC NUMERICAL APPROACH R. Srikanth, S. Rohit Nair, C. Balaji	**CCaGT-3:** SIMULATIONS OF MILD COMBUSTION TECHNOLOGY IN A PULVERIZED COAL BOILER G. Węcel, W. P. Adamczyk, A. Katelbach-Wozniak, S. Sładek, A. Klimanek, A. Szlęk, R. Białecki, M. Ditaranto, N. Erland, L. Haugen
	MULTI-3: TWO-PHASE FLOW PATTERNS IN ADIABATIC AND DIABATIC CORRUGATED PLATE GAPS A. E. Polzin, S. Kabelac, B. de Vries	**HaMT-12:** CONSTRUCTION OF SEQUENCES OF EXACT ANALYTICAL SOLUTIONS FOR HEAT DIFFUSION IN GRADED HETEROGENEOUS MATERIALS BY THE DARBOUX TRANSFORMATION METHOD. EXAMPLES FOR HALF-SPACE J.-C. Krapez	**PCP-6:** EFFECT OF NANO-TEXTURED HEATER SURFACES ON FLOW BOILING AND ON EVAPORATION AT SINGLE MENISCUS S. Fischer, M. Freystein, R. Sahu, S. Sinha-Ray, A. Yarin, T. Gambaryan-Roisman, P. Stephan	**CCaGT-2:** AN EXPERIMENTAL VERIFICATION OF NUMERICAL MODEL ON SUPERHEATED STEAM DRYING OF BELCHATOW LIGNITE M. Zakrzewski, A. Sciazko, Y. Komatsu, T. Akiyama, A. Hashimoto, S. Kaneko, S. Kimijima, J. S. Szmyd, Y. Kobayashi
	MULTI-4: KINETIC STUDY OF THE DEGRADATION OF METHANOL WITH NICKEL CATALYST IN A CAPILLARY HEAT LOOP J.-C. Renault, S. Sochard, V. Platel, S. Nicolau, M. Mohaupt, P. Lasserre	**HaMT-14:** HEAT TRANSFER ENHANCEMENT BY DYNAMIC CORRUGATED HEAT EXCHANGER WALL: NUMERICAL STUDY P. Kumar, K. Schmidmayer, F. Topin, M. Miscevic	**PCP-8:** BUBBLE DYNAMICS AND HEAT TRANSFER FOR POOL BOILING ON HYDROPHILIC, SUPERHYDROPHOBIC AND BIPHILIC SURFACES E. Teodori, T. Palma, T. Valente, A. Moita, A.L.N. Moreira	**AeaES-8:** A GLOBAL OPTIMIZATION METHOD SYNTHESIZING HEAT TRANSFER AND THERMODYNAMICS FOR THE POWER GENERATION SYSTEM WITH BRAYTON CYCLE R.-H. Fu, X. Zhang
	MULTI-6: A LEVEL-SET METHOD FOR THERMAL MOTION OF BUBBLES AND DROPLETS N. Balcázar, A. Oliva, J. Rigola	**HaMT-15:** FROST FORMATION: OPTIMIZING SOLUTIONS UNDER A FINITE VOLUME APPROACH E. Bartrons, C. D. Perez-Segarra, C. Oliet	**PCP-9:** PHASE CHANGE DISPERSION, POTENTIALLY A NEW CLASS OF HEAT TRANSFER FLUIDS L. J. Fischer, S. von Arx, U. Wechsler, S. Züst, J. Worlitschek	**CCaGT-4:** NUCLEAR -OIL SHALE HYBRID? J. Grebowicz
	MULTI-7: DIRECT NUMERICAL SIMULATION OF MULTIPHASE FLOWS WITH UNSTABLE INTERFACES E. Schillaci, O. Lehmkuhl, O. Antepara, A.Oliva	**HaMT-16:** THERMAL PERFORMANCE OF A PROTOTYPE PLATE HEAT EXCHANGER WITH MINICHANNELS UNDER BOILING CONDITIONS J. Wajs, D. Mikielewicz, E. Fornalik-Wajs	**PCP-10:** DROPWISE CONDENSATION OVER SUPERHYDROPHOBIC ALUMINIUM SURFACES R. Parin, D. Del Col, S. Bortolin, A. Martucci	
12:30 – 13:30	**Lunch**			

13:30 – 14:15	**Keynote lecture (Large Hall A)** **Chair: J.S. Szmyd, J.M. Corberan**			
	KL-4: INTEGRATED GASIFICATION COMBINED CYCLE - KEY TECHNOLOGY FOR THE FUTURE USE OF COAL S. Kaneko			
14:15 – 15:15	**Poster Session I (Exhibition Room)** **Chair: D.B. Murray, Ch. Le Niliot, A.J. Nowak**			
15:15 –15:30	**Coffee Break**			
	Small Hall	**Medium Hall A**	**Medium Hall B**	**Large Hall A**
15:30 – 17:30	**S-13:Two-phase/Multiphase Flows 2** **Chair: D. Groulx**	**S-14: Heat and Mass Transfer 4** **Chair: J.M. Corberan**	**S-15:Computational/Numerical Methodology 3** **Chair: H. Yoshida**	**S-16: Advanced Energy and Environmental Systems** **Chair: S. Kaneko**
	MULTI-8: A NEW STATISTICAL MODEL FOR SUBGRID DISPERSION IN LARGE EDDY SIMULATIONS OF PARTICLE-LADEN FLOWS J. Muela, O. Lehmkuhl, C.D. Pérez-Segarra, A. Oliva	**HaMT-17**: THERMAL INFRARED MAPPING OF THE LEIDENFROST DROP EVAPORATION S. Wciślik	**CNM-1:** NUMERICAL ANALYSIS OF HEAT TRANSFER IN THE EXHAUST GAS FLOW FROM A DIESEL POWER GENERATOR C.H.G. Brito, C.B. Maia, J.R. Sodré	**AeaES-6:** A DFT BASED EQUILIBRIUM STUDY OF A CHEMICAL MIXTURE TACHYHYDRITE AND THEIR LOWER HYDRATES FOR LONG TERM HEAT STORAGE A.D. Pathak, S.V. Nedea, H.A. Zondag, C.C.M. Rindt, D.M.J. Smeulders
	MULTI-9: ON THE SOLUTION OF THE FULL THREE-DIMENSIONAL TAYLOR BUBBLE PROBLEM BY USING A COUPLED CONSERVATIVE LEVEL SET - MOVING MESH METHOD E. Gutiérrez, N. Balcázar, O. Lehmkuhl, A. Oliva	**HaMT-19:** LOCAL HEAT TRANSFER OF AN EVAPORATING SESSILE DROPLET IN AN ELECTRIC FIELD M.J. Gibbons, C.M. Howe, P. Di Marco, A.J. Robinson	**CNM-9:** SIMULATION OF ALDEHYDE EMISSIONS FROM AN ETHANOL-FUELLED SPARK IGNITION ENGINE AND COMPARISON WITH FTIR MEASUREMENTS P. Zarante, J. Sodré	**AeaES-7:** NUMERICAL SIMULATION MODEL OF A THERMOELECTRIC GENERATOR FOR ROAD VEHICLE APPLICATION S. Vale, P. J. Coelho, C. M. Silva, L. Heber
	MULTI-10: FORCED CONVECTION IN THE WAKES OF SLIDING BUBBLES R. O'Reilly Meehan, B. Donnelly, T. Persoons, D.B. Murray	**HaMT-20:** MULTIPLE SOURCE GROUND HEAT STORAGE P. Belzile, L. Lamarche, D.R. Rousse	**CNM-10:** BIOGAS AND METHANE COMBUSTION IN A GASOLINE INTERNAL COMBUSTION ENGINE G. Kruczek, W.P. Adamczyk, G. Przybyła, R.A. Białecki	**AeaES-4:** APPLICATION OF AN EGR SYSTEM IN A DIRECT INJECTION DIESEL ENGINE TO REDUCE NOX EMISSIONS D. De Serio, A. de Oliveira, J. R. Sodré
	MULTI-11: THERMODYNAMIC WETNESS LOSS CALCULATION IN A STEAM TURBINE ROTOR TIP SECTION: NUCLEATING STEAM FLOW J. Joseph, S. Sathyanarayanan, K. Vigney, B.V.S.S.S. Prasad, D. Biswas, T. Jimbo	**HaMT-21:** MULTI-OBJECTIVE OPTIMIZATION OF ELECTRONICS HEAT SINKS COOLED BY NATURAL CONVECTION K. Lampio, R. Karvinen	**CNM-12:** METHOD OF REGULARIZED SOURCES FOR STOKES FLOW PROBLEMS WITH IMPROVED CALCULATION OF VELOCITY DERIVATIVES AT THE BOUNDARY B. Šarler, S. Wen, M. Li	**MP-1:** A PROTOTYPE COMPACT HEAT STORAGE SYTEM TO COVER HEATING AND DHW DEMAND FROM 100% RENEWABLES A. Solé, R. Cuypers, C. Barreneche, J. Duim, H. de Beijer, R. Volmer, G. Füeldener, L.F. Cabeza
	MULTI-12: COUPLED EMAG-CFD MODEL OF IMPURITIES REMOVAL DURING METAL MELTING PROCESS WITHIN AN INDUCTION FURNACE CHAMBER WITH COLD CRUCIBLE P. Buliński, J. Smołka, S. Golak, R. Przyłucki, G. Siwiec, M. Palacz	**HaMT-28:** THE ACCURACY OF A 2D AND 3D DENDRITIC TIP SCALING PARAMETER IN PREDICTING THE COLUMNAR TO EQUIAXED TRANSITION (CET) M. Seredyński, M. Rebow, J. Banaszek	**CNM-14:** NON-SINGULAR METHOD OF FUNDAMENTAL SOLUTIONS FOR THERMOELASTICITY Q.G. Liu, B. Šarler	**MTECH-6:** EXPERIMENTAL INVESTIGATION AT SUB- AND SUPERCRITICAL CONDITIONS OF A HELICAL COIL HEAT EXCHANGER PARTICULARLY DESIGNED FOR A SMALL-SCALE SOLAR ORC M. Lazova, A. Kaya, H. Huisseune, M.De Paepe
		HaMT-29: AN ADVANCED MODEL OF HEAT AND MASS TRANSFER IN THE PROTECTIVE CLOTHING - VERIFICATION P. Łapka, P. Furmański	**AeaES-5:** FINITE-ELEMENT ANALYSIS OF THE FLUID TEMPERATURE DISTRIBUTION IN DOUBLE U-TUBE BOREHOLE HEAT EXCHANGERS E. Zanchini, A. Jahanbin	**MA-1:** SIMULATIONS OF ABSORPTION HEAT PUMP IMPLEMENTATION IN A DRYING SYSTEM: AN INDUSTRIAL CASE STUDY I. T'Jollyn, M. De Paepe

EUROTHERM 2016 PROGRAMME

Wednesday 22 June 2016

09:00 – 10:30	**Keynote lectures (Large Hall A)** **Chair: A. van Steenhoven, J.M. Coelho**			
	KL-5: WAVES, INSTABILITIES, AND RIVULETS IN HIGH QUALITY MICROGAP TWO-PHASE FLOW A. Bar-Cohen, C. Holloway			
	KL-6: MULTIPHASE MICROFLUIDIC SYSTEMS FOR LIFE SCIENCES P. Garstecki			
10:30 – 10:50	**Coffee Break**			
	Small Hall	**Medium Hall A**	**Medium Hall B**	**Large Hall A**
10:50 – 12:30	**S-17:Two-phase/Multiphase Flows 3** **Chair: T. van der Meer**	**S-18: Heat and Mass Transfer 5** **Chair: M. Jaszczur**	**S-19: Micro-Nano Systems 1** **Chair: E. Fornalik-Wajs**	**S-20: Fuel Cell Systems 1** **Chair: G. Brus**
	MULTI-14: ELECTRO-ASSISTED DEWETTING: EFFECTS OF EXTERNAL ELECTRIC FIELD ON RECEDING CONTACT ANGLE AND TRIPLE LINE VELOCITY IN EXPERIMENTS WITH WATER DROPLETS P. Di Marco, G. Saccone	**HaMT-22:** NUMERICAL MODELING OF EFFECT OF CHANNEL WIDTH ON HEAT TRANSFER AND VENTILATION IN A BUILT-IN PV-TROMBE WALL Y. Su, B. Zhao, F. Lei, W. Deng	**MNS-1:** THERMAL EVALUATION OF WATER-BASED ALUMINA NANOFLUID IN AN ELECTRONIC HEAT SINK APPLICATION R.J. Issa	**FCS-1:** STUDY ON THE CORRELATION BETWEEN SOLID OXIDE FUEL CELL NI-YSZ ANODE PERFORMANCE AND REDUCTION TEMPERATURE Z. Jiao, A. Ueno, N. Shikazono
	MULTI-15: DIRECT NUMERICAL SIMULATION OF BIOMASS PYROLYSIS AND COMBUSTION WITH GAS PHASE REACTIONS A. Awasthi, J. G. M. Kuerten, B. J. Geurts	**HaMT-23:** FIELD SYNERGY ANALYSIS OF SIX STARTS SPIRAL CORRUGATED TUBE UNDER HIGH REYNOLDS NUMBER J. Qian, B. Liu, F. Chen, X. Gao, Z. Jin	**MNS-2:** MICRO-SCALE TEMPERATURE MEASUREMENT METHOD USING FLUORESCENCE POLARIZATION K. Tatsumi, C-H. Hsu, A. Suzuki, K. Nakabe	**FCS-2:** RATE EQUATION OF STEAM-METHANE REFORMING REACTION ON NI-YSZ CERMET CONSIDERING ITS POROUS MICROSTRUCTURE S. Sugihara, Y. Kawamura, H. Iwai
	MULTI-17: EXPERIMENTAL TWO-PHASE HEAT TRANSFER STUDY OF R245FA IN HORIZONTAL MINI-CHANNELS AT HIGH SATURATION TEMPERATURES M. Billiet, R. Revellin, R. Charnay, M. De Paepe	**HaMT-24:** NUMERICAL INVESTIGATION OF A HEAT TRANSFER CHARACTERISTICS OF AN IMPINGEMENT COOLING SYSTEM WITH NON-UNIFORM TEMPERATURE ON A COOLED SURFACE K. Marzec, A. Kucaba-Piętal	**MNS-3:** IN SITU THERMAL CONDUCTANCE MEASUREMENT OF AN INDIVIDUAL CARBON NANOFIBER DEFECTED BY FOCUSED ION BEAM M. Narasaki, K. Takahashi, J. Miyawaki, Y. Takata	**FCS-3:** DEVELOPMENT OF A CHARGE-TRANSFER DISTRIBUTION MODEL FOR STACK SIMULATION OF SOLID OXIDE FUEL CELLS H. Onaka, H. Iwai, M. Kishimoto, M. Saito, H. Yoshida, G. Brus, J.S. Szmyd
	MULTI-18: THERMAL-HYDRAULIC PERFORMANCE OF CONVECTIVE BOILING JET ARRAY IMPINGEMENT R. Jenkins, C. De Brún, R. Kempers, R. Lupoi, A. J. Robinson	**HaMT-25:** NUMERICAL ANALYSIS OF THE LAMINAR FORCED CONVECTIVE HEAT TRANSFER IN COILED TUBES WITH PERIODIC RING-TYPE CORRUGATION P. Vocale, A. Mocerino, F. Bozzoli, S. Rainieri	**MNS-5:** EFFECTS OF FLOW MALDISTRIBUTION ON THE THERMAL PERFORMANCE OF CROSS-FLOW MICRO HEAT EXCHANGERS C. Nonino, S. Savino	**FCS-4:** REAL-TIME ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY DIAGNOSIS OF THE MARINE SOLID OXIDE FUEL CELL H. Nakajima, T. Kitahara
	MULTI-19: STUDY OF TWO-PHASE HEAT TRANSFER CORRELATIONS FOR HELICAL COILS VIA MEASUREMENTS FROM A SOLAR ORC A. Kaya, M. Lazova, G. Kosmadakis, M. De Paepe	**HaMT-27:** IMPROVEMENT OF COOLING PERFORMANCE FOR ELECTRONIC DEVICES BY NUCLEATE BOILING OF IMMISIBLE MIXTURES S. Okayama, K. Iwata, Y. Shinmoto, H. Ohta	**MHD-2:** MOLECULAR DYNAMICS SIMULATIONS OF THE INFLUENCE OF FRICTION HEAT TO NI-NI TRIBOPAIR SYSTEM DURING HIGH-SPEED SLIDING K. Chen, L. Wang, Q. Wang	**FCS-5:** CATALYTIC PARTIAL OXIDATION OF METHANE ON NI-YSZ CERMET ANODE OF SOLID OXIDE FUEL CELLS H. Iwai, K. Tada, M. Kishimoto, M. Saito, H. Yoshida
12:30 – 13:30	**Lunch**			

13:30 – 14:15	**Keynote lectures (Large Hall A)** **Chair: K. Ponweiser, R. Karvinen**				**AIHTC meeting** 13:00-15:30
	KL-7: EIGENFUNCTION EXPANSIONS FOR COUPLED NONLINEAR CONVECTION-DIFFUSION PROBLEMS IN COMPLEX MULTISCALE PHYSICAL DOMAINS R.M. Cotta, C.P. Naveira-Cotta, D.C. Knupp				
14:15 – 15:15	**Poster Session II (Exhibition Room)** **Chair: D.B. Murray, Ch. Le Niliot, A.J. Nowak**				
15:15 – 15:30	**Coffee Break**				
	Small Hall	**Medium Hall A**	**Medium Hall B**	**Large Hall A**	
15:30 – 16:50	**S-21: R744 Ejector Refrigeration Systems** **Chair: A.J. Nowak**	**S-22: Heat and Mass Transfer 6** **Chair: K. Ponweiser**	**S-23: Micro-Nano Systems 2** **Chair: E. Fornalik-Wajs**	**S-24: Fuel Cell Systems 2** **Chair: N. Shikazono**	**ICHMT meeting** 15:30-18:00
	ERS-1: R744 EJECTOR TECHNOLOGY FUTURE PERSPECTIVES A. Hafner, K. Banasiak,	**HaMT-30:** CONSIDERATIONS ON THE THERMAL PERFORMANCES OF RIBBED CHANNELS BY MEANS OF A NOVEL DYNAMIC METHOD FOR HIERARCHICAL CLUSTERING A. Niro, D. Fustinoni, F. Vignati, P. Gramazio, S. Ciminà	**MNS-6:** HEAT TRANSFER CORRELATIONS FOR COMPRESSIBLE FLOW IN MICRO HEAT EXCHANGERS M. A. Coppola, G. Croce	**FCS-7:** DEVELOPMENT METHOD OF HYBRID ENERGY STORAGE SYSTEM, INCLUDING PEM FUEL CELL AND A BATTERY A. Ustinov, A. Khayrullina, V. Borzenko, M. Khmelik, A. Sveshnikova	
	ERS-2: A COMPARISON OF HOMOGENOUS EQUILIBRIUM AND RELAXATION MODEL FOR CO_2 EXPANSION INSIDE A TWO-PHASE EJECTOR M. Palacz, M. Haida, J. Smolka, A.J. Nowak, A. Hafner	**HaMT-31:** POOL BOILING HEAT TRANSFER ON STRUCTURED SURFACES J. Addy, M. Olbricht, A. Luke	**MNS-4:** THERMAL INVESTIGATION OF A PHASE CHANGE MEMORY DEVICE AT THE NANOSCALE J.-L. Battaglia, A. Saci, I. De, V. Sousa, P. Noë	**HaMT-36:** OPTIMIZATION OF HELIUM-HEATED METHANE/STEAM REFORMER M. Mozdzierz, G. Brus, S. Kimijima, J.S. Szmyd	
	ERS-3: A MODIFIED HOMOGENEOUS RELAXATION MODEL FOR CO2 TWO-PHASE FLOW IN VAPOUR EJECTOR M. Haida, M. Palacz, J. Smolka, A. J. Nowak, A. Hafner	**COMB-1:** THE EFFECT OF SOOT MODELING ON THERMAL RADIATION IN BUOYANT TURBULENT DIFFUSION FLAMES A. Snegirev, E. Kokovina, A. Tsoy, J. Harris, T. Wu	**MNS-7:** INVERSE PROBLEM ANALYSIS FOR IDENTIFICATION OF REACTION KINETICS CONSTANTS IN MICROREACTORS FOR BIODIESEL SYNTHESIS P. C. Pontes, C. P. Naveira-Cotta	**HaMT-37:** ENHANCEMENT OF FUEL TRANSFER IN ANODE-SUPPORTED HONEYCOMB SOLID OXIDE FUEL CELLS S. Ikeda, H. Nakajima, T. Kitahara	
	ERS-4: PARALLEL WORK OF CO_2 EJECTORS INSTALLED IN A MULTI-EJECTOR MODULE OF REFRIGERATION SYSTEM J. Bodys, M. Palacz, J. Smolka, M. Haida, A. J. Nowak, K. Banasiak, A. Hafner	**MEMS-1:** PRACTICAL STEADY-STATE TEMPERATURE PREDICTION OF ACTIVE EMBEDDED CHIPS INTO HIGH DENSITY ELECTRONIC BOARD E. Monier-Vinard, B. Rogie, N.-M. Nguyen, N. Laraqi, V. Bissuel, O. Daniel	**BaME-1:** COMBINED PARAMETER AND STATE ESTIMATION PROBLEM IN A COMPLEX DOMAIN: RF HYPERTHERMIA TREATMENT USING NANOPARTICLES L. A. Bermeo Varon, H. R. B. Orlande, G. E. Eliçabe	**FCS-6:** COMPARATIVE STUDY OF TWO THEORETICAL MODELS OF METHANE AND ETHANE STEAM REFORMING PROCESS G. Brus, R. Kaczmarczyk, M. Tomiczek, M. Moździerz	
20:00 – 23:00	**Conference Gala Dinner**				

EUROTHERM 2016 PROGRAMME

Thursday 23 June 2016

	Small Hall	Medium Hall A	Medium Hall B	Large Hall A
9:00 – 10:20	**S-25: Inverse Thermal Problems 1** **Chair: R. Karvinen**	**S-26: Heat Transfer in Porous Media 2** **Chair: A. Sciazko**	**S-27: High Magnetic Fields 1** **Chair: S. Kenjeres**	
	ITP-1: IMPLEMENTATION OF A NUMERICAL HOLDING FURNACE MODEL IN FOUNDRY AND CONSTRUCTION OF A REDUCED MODEL T. Loussouarn, D. Maillet, B. Remy, D. Dan	**PORMED-1:** EXPERIMENTAL STUDY OF GAS-LIQUID HEAT TRANSFER IN A 2-PHASE FLOW IN A PACKED BED P. Niegodajew, D. Asendrych	**HMF-8: SPECIAL LECTURE:** MAGNETIC FIELD CONTROLLED THERMAL CONDUCTIVITY OF COMPOSITES Cz. Kapusta, T. Strączek, K. Goc, W. Prendota, J. Jurczyk, J. Lis, J. Szmyd	
	ITP-2: CHARACTERIZATION OF A HEAT EXCHANGER BY VIRTUAL TEMPERATURE SENSORS BASED ON IDENTIFIED TRANSFER FUNCTIONS W. Al Hadad, Y. Jannot, D. Maillet	**PORMED-2:** PREDICTING PERMEABILITY TENSORS OF FOAMS USING VECTOR KINETIC METHOD Y. Jobic, P. Kumar, F. Topin, R. Occelli	**HMF-9:** STUDY OF RELAXATION PROCESSES OF MAGNETIC NANOPARTICLES T. Strączek, K. Goc, W. Prendota, J. Jurczyk, J. Żukrowski, D. Rybicki, Cz. Kapusta, S. Fiejdasz, M. Nowakowska, Sz. Zapotoczny, J. Szmyd	
	ITP-3: AN INVERSE METHOD FOR SIMULTANEOUS ESTIMATION OF THERMAL PROPERTIES OF ORTHOTROPIC MATERIALS USING GAUSSIAN PROCESS REGRESSION K. S. Reddy, S. Somasundharam	**PORMED-4:** CONFINED IMPINGING JETS IN POROUS MEDIA B. Buonomo, L. Cirillo, O. Manca, N. Mansi, S. Nardini	**HMF-5:** MAGNETIC FIELD ALIGNED EPOXY MATRIX COMPOSITES FILLED WITH FERRITE AND MAGNETITE POWDERS K. Goc, K. Gąska, Ł. Jarosiński, W. Prendota, Cz. Kapusta, A. Rybak, G. Kmita	
	ITP-4: HEAT FLUX ESTIMATION IN WEST DIVERTOR WITH EMBEDDED THERMOCOUPLES J. Gaspar, Y. Corre, M. Firdaouss, J-L. Gardarein, D. Guilhem, M. Houry, C. Le Niliot, M. Missirlian, C. Pocheau, F. Rigollet		**HMF-6:** MAGNETIC STUDY OF THE FE-MN-SI SHAPE MEMORY ALLOYS W. Prendota, S. Miyazawa, K. Goc, T. Strączek, J. Żukrowski, Cz. Kapusta, A. Takasaki	
10:20 – 10:40	**Coffee Break**			
	S-28: Inverse Thermal Problems 2 **Chair: D. Maillet**	**S-29: Miscellaneous Applications and Heat Transfer in Life Sciences** **Chair: K. Tatsumi**	**S-30: High Magnetic Fields 2** **Chair: Cz. Kapusta**	**S-31: Measurement and Experimental Techniques** **Chair: P. Di Marco**
10:40 – 12:00	**ITP-5:** HEAT SOURCE ESTIMATION IN LOW DIFFUSIVE MATERIALS A. Castillo, J. - L. Gardarein, J. Gaspar, F. Rigollet, C. Le Niliot	**AT-2:** INCEPTION OF ICE ACCRETION BY ICE CRYSTAL IMPACT J. Löwe, D. M. Kintea, A. Baumert, S. Bansmer, I. V. Roisman, C. Tropea	**HMF-1:** EXPERIMENTAL ANALYSIS OF ENCLOSURE ASPECT RATIO INFLUENCE ON THERMO-MAGNETIC CONVECTION A. Kraszewska, L. Pyrda, J. Donizak	**MTECH-1:** DEVELOPMENT OF THE EXPERIMENTAL RIG FOR GATHERING COAL KINETIC DATA UNDER MILD COMBUSTION PROCESS W.P. Adamczyk, A. Katelbach-Wozniak, S. Sładek, A. Klimanek, A. Szlęk, R.A. Białecki, G. Wecel, M. Ditaranto, N. E. L. Haugen

	ITP-6: HEAT TRANSFER COEFFCIENT DISTRIBUTION OVER THE INCONEL PLATE COOLED FROM HEIGH TEMPERATURE BY THE ARRAY OF WATER JETS Z. Malinowski, T. Telejko, A. Cebo-Rudnicka, A. Szajding, M. Rywotycki	**AeaES-9:** OPTIMIZATION OF PV/WIND/DIESEL HYBRID POWER SYSTEM IN HOMER FOR RURAL ELECTRIFICATION Q. Hassan , M. Jaszczur, J. Abdulateef	**HMF-4:** EXPERIMENTAL THERMO-MAGNETIC CONVECTION ANALYSIS IN TALL RECTANGULAR ENCLOSURE L. Pyrda, A. Kraszewska	**MTECH-2:** OPTICAL PYROMETRY MEASUREMENT ON OXIDIZED ZIRCONIUM ALLOY NUCLEAR MATERIAL CLADDING B. Bouvry, L. Ramiandrisoa, G. Cheymol, C. Gallou, H. Maskrot, C. Destouches, L. Ferry, C. Gonnier, N. Horny, T. Duvaut
	ITP-7: ESTIMATION OF SPATIALLY VARYING HEAT TRANSFER COEFFICIENT FROM A PLATE WITH FLUSH MOUNTED HEAT SOURCES USING BAYESIAN INFERENCE P.S. Jakkareddy, C.Balaji	**HTiLS-1:** DRY HEAT LOSES OF NEWBORN BABY IN INFANT CARE BED: USE OF A THERMAL MANIKIN Z. Ostrowski, M. Rojczyk, I. Szczygiel, J. Łaszczyk, A. J. Nowak	**HMF-2:** EVALUATION OF DIAMAGNETIC NANOFLUID ABILITY TO HEAT TRANSFER IN THE STRONG MAGNETIC FIELD A. Roszko, E. Fornalik-Wajs	**MTECH-3:** THERMAL CONDUCTIVITY OF CARBON DOPED GETE THIN FILMS IN AMORPHOUS AND CRYSTALLINE STATE A. Kusiak, J.-L. Battaglia, P. Noé, V. Sousa, F. Fillot
	CNM-5: INVESTIGATION ON THERMAL REDUCED MODELS FOR SIMULATING INFRARED IMAGES IN FUSION DEVICES J. Gerardin, M-H. Aumeunier, M. Firdaouss, J-L. Gardarein, F. Rigollet	**MULTI-5:** CFD ANALYSIS OF MULTIPHASE BLOOD FLOW WITHIN MAIN AORTA BIFURCATION OF 8-YEAR-OLD CHILD Z. Ostrowski, B. Melka, W. Adamczyk, M. Rojczyk, A. Golda, A.J. Nowak	**HMF-7:** LOW REYNOLDS NUMBER FLOW'S HEAT TRANSFER INFLUENCED BY STRONG MAGNETIC FIELD L. Pleskacz, E. Fornalik-Wajs	**MTECH-4:** ABSORPTION CAPACITY OF AMMONIA INTO IONIC LIQUIDS FOR ABSORPTION REFRIGERATION APPLICATIONS H. M. Ariyadi, A. Coronas
12:00 – 12:30	**Closing Ceremony** **Chair: J.S. Szmyd, A.J. Nowak, P. Di Marco** **(Large Hall)**			
12:30 – 13:30	**Lunch**			

POSTER SESSION I – Tuesday 21 June 2016, 14:15 – 15:15

No.	Session	Authors – Title
PS I – 1	EA-1	D.B. Donoghue – EUROTHERM PRIZE FOR YOUNG SCIENTISTS 2016
PS I – 3	EA-2	A. Diani – EUROTHERM PRIZE FOR YOUNG SCIENTISTS 2016
PS I – 5	EA-3	M.G. Delgado – EUROTHERM PRIZE FOR YOUNG SCIENTISTS 2016
PS I – 7	AEaES-1	G. Casano, S. Piva – PELTIER CELLS CONTROLLED COOLING SYSTEM FOR SWITCH MODE POWER SUPPLY SYSTEMS,
PS I – 9	AEaES-2	I. Dhuchakallaya, P. Saechan – INFLUENCE OF IMPEDANCE–TUNING ON THE THERMO–TO–ACOUSTIC CONVERSION FOR A LOW–COST CASCADE THERMOACOUSTIC ENGINE
PS I – 11	AEaES-3	P. Saechan, I. Dhuchakallaya – DESIGN OF A LOW–COST TRAVELLING–WAVE THERMOACOUSTIC REFRIGERATOR DRIVEN BY A CASCADE THERMOACOUSTIC ENGINE
PS I – 13	AEaES-10	M. Jaszczur, I. Polepszyc, B. Biernacka, A. Sapińska–Śliwa – A NUMERICAL MODEL FOR GROUND TEMPERATURE DETERMINATION
PS I – 15	AEaES-11	M. Musiał, M. Borcuch, S. Gumuła, K.T. Wojciechowski – STUDY OF THERMOELECTRIC GENERATOR FOR WASTE HEAT CONVERSION FROM AUTOMOBILE APPLICATIONS
PS I – 17	AEaES-12	A. Warlo, G. Füldner, L. Schnabel – A METHOD FOR EXPERIMENTAL CHARACTERIZATION OF ADSORPTION MODULES
PS I – 19	AEaES-13	M. Borcuch, M. Musiał, S. Gumuła, K.T. Wojciechowski – PERFORMANCE PARAMETERS AND NUMERICAL MODEL OF THERMOELECTRIC GENERATOR DEDICATED FOR ENERGY HARVESTING FROM FLUE GASES
PS I – 21	AEaES-14	M. Potente, K. Ponweiser – SIMULATION OF A DISTRICT HEATING NETWORK FOR A CASE STUDY IN THE CITY OF VIENNA CONSIDERING ENERGY AND EXERGY LOSSES
PS I – 23	AEaES-15	M. Dudek, J. Podsadna, M. Jaszczur – AN NUMERICAL ANALYSIS OF HIGH–TEMPERATURE HELIUM REACTOR POWER PLANT FOR CO PRODUCTION OF HYDROGEN AND ELECTRICITY
PS I – 25	AEaES-16	M. Malicki, L. Pieńkowski – INFLUENCE OF MAIN VARIABLES MODIFICATIONS ON ACCIDENT TRANSIENT BASED ON AP1000 LIKE MELCOR MODEL
PS I – 27	AEaES-17	A. Azharuddin, M. Santarelli – THERMODYNAMIC ANALYSIS OF BEAM DOWN SOLAR GAS TURBINE POWER PLANT EQUIPPED WITH CONCENTRATING RECEIVER SYSTEM
PS I – 29	AT-1	B. Bernard, V. Schick, B. Remy, A. Quet, L. Bianchi – HIGH TEMPERATURE THERMAL PROPERTIES OF COLUMNAR YTTRIA STABILIZED ZIRCONIA THERMAL BARRIER COATING PERFORMED BY SUSPENSION PLASMA SPRAYING
PS I – 31	PCP-16	K. Dydek, P. Furmański, P. Łapka – INFLUENCE OF PCMS IN THERMAL INSULATION ON THERMAL BEHAVIOR OF BUILDING ENVELOPES
PS I – 33	CNM-11	A. Kasparek, P. Łapka – APPLICATION OF A COUPLED LATTICE BOLTZMANN AND IMMERSED BOUNDARY METHOD FOR SOLVING CONJUGATED HEAT TRANSFER PROBLEMS
PS I – 35	CNM-13	A. Sciazko, Y. Komatsu, N. Washio, G. Brus, S. Kimijima, J. S. Szmyd – A COMPARATIVE STUDY OF TWO VARIOUS EMPIRICAL METHODOLOGIES FOR DERIVING KINETICS OF METHANE/STEAM REFORMING REACTION
PS I – 37	CONVCOND-3	M. Bortoloni, M. Bottarelli, S. Piva – FORCED AND NATURAL CONVECTION EFFECTS IN A VENTILATED ROOF WITH TILED COVERINGS
PS I – 39	CONVCOND-5	N. K. Chaurasia, S. Gedupudi, S. P. Venkateshan – CONJUGATE MIXED CONVECTION WITH DISCRETE HEAT SOURCES IN A RECTANGULAR CHANNEL WITH SURFACE RADIATION
PS I – 41	CONVCOND-11	B. Li, W. Zhang, L. Zhu – FORCED CONVECTION HEAT TRANSFER OF POWER LAW NON–NEWTONIAN FLUIDS BETWEEN TWO SEMI–INFINITE PLATES WITH VARIABLE THERMAL CONDUCTIVITY
PS I – 43	CONVCOND-12	M. Stanescu, S. Kajl, L. Lamarche – STUDY OF POTENTIAL NONCONFORMITIES OF A NEW RECREATION CENTER BUILDING'S ENVELOPE
PS I – 45	CONVCOND-13	G. El Achkar, A. Dianoux, A. Kheiri, D. Maillet, T. Mazet, S. Colasson, M. Feidt, C. Rado, F. Servant, V. Paul–Boncour – THERMOMAGNETIC CONVERSION OF LOW–GRADE WASTE HEAT INTO ELECTRICAL POWER
PS I – 47	CONVCOND-14	O. Haddad, A. Baïri – NATURAL CONVECTIVE HEAT TRANSFER WITHIN NANOFLUID–FILLED HEMISPHERICAL HORIZONTAL ENCLOSURE
PS I – 49	CONVCOND-15	N. Laouche, A. Korichi, H. Cherifi, P. Catalin, G. Polidori – OPPOSED MIXED CONVECTION IN CHANNEL WITH ASYMMETRIC DISCRETE HEATING
PS I – 51	MULTI-26	H. Grzybowski, R. Mosdorf – APPLICATION OF CROSS RECURRENCE PLOT FOR IDENTIFICATION OF TEMPERATURE FLUCTUATIONS SYNCHRONIZATION IN PARALLEL MINICHANNELS
PS I – 53	FM-1	S. Pradhan – ANALYSIS OF HIGH–SPEED ROTATING FLOW IN 2D POLAR (r – θ) COORDINATE

POSTER SESSION I – Tuesday 21 June 2016, 14:15 – 15:15

PS I – 55	FM-9	M. Branny, M. Jaszczur, W. Wodziak, J.S. Szmyd – EXPERIMENTAL AND NUMERICAL ANALYSIS OF AIR FLOW IN A DEAD–END CHANNEL
PS I – 57	FM-10	B. Liu, J. Wang, J. Qian, F. Chen, Z. Jin – DYNAMIC RESPONSE ANALYSIS OF PILOT CONTROL GLOBE VALVE FOCUSING ON OPENING AND CLOSING TIME OF PILOT VALVE
PS I – 59	FM-11	J. B. Pedro, A. Bàez Vidal, O. Lehmkuhl, C. D. Pérez Segarra, A. Oliva – ON THE EXTENSION OF LES METHODS FROM INCOMPRESSIBLE TO COMPRESSIBLE TURBULENT FLOWS WITH APPLICATION TO TURBULENT CHANNEL FLOW
PS I – 61	FM-12	P. Dzienis, R. Mosdorf, J. Augustyniak – LIQUID PENETRATION INSIDE GLASS NOZZLE DIURING BUBBLE DEPARTURES IN WATER
PS I – 63	FM-13	M. Jaszczur, M. Branny, M. Karch, M. Borowski – EXPERIMENTAL ANALYSIS OF THE VELOCITY FIELD OF THE AIR FLOWING THROUGH THE SWIRL DIFFUSERS
PS I – 65	HaMT-32	R. Irwansyah, C. Cierpka, C.J. Kähler – ON THE RELIABLE ESTIMATION OF HEAT TRANSFER COEFFICIENTS FOR NANOFLUIDS IN A MICROCHANNEL
PS I – 67	HaMT-33	J. Lee, S.-H. Ahn, I.-G. Kim – THERMO–FLOW CHARACTERISTICS IN A CORRUGATED PLATE HEAT EXCHAGNER CONSIDERING THE PLATE DEFORMATION

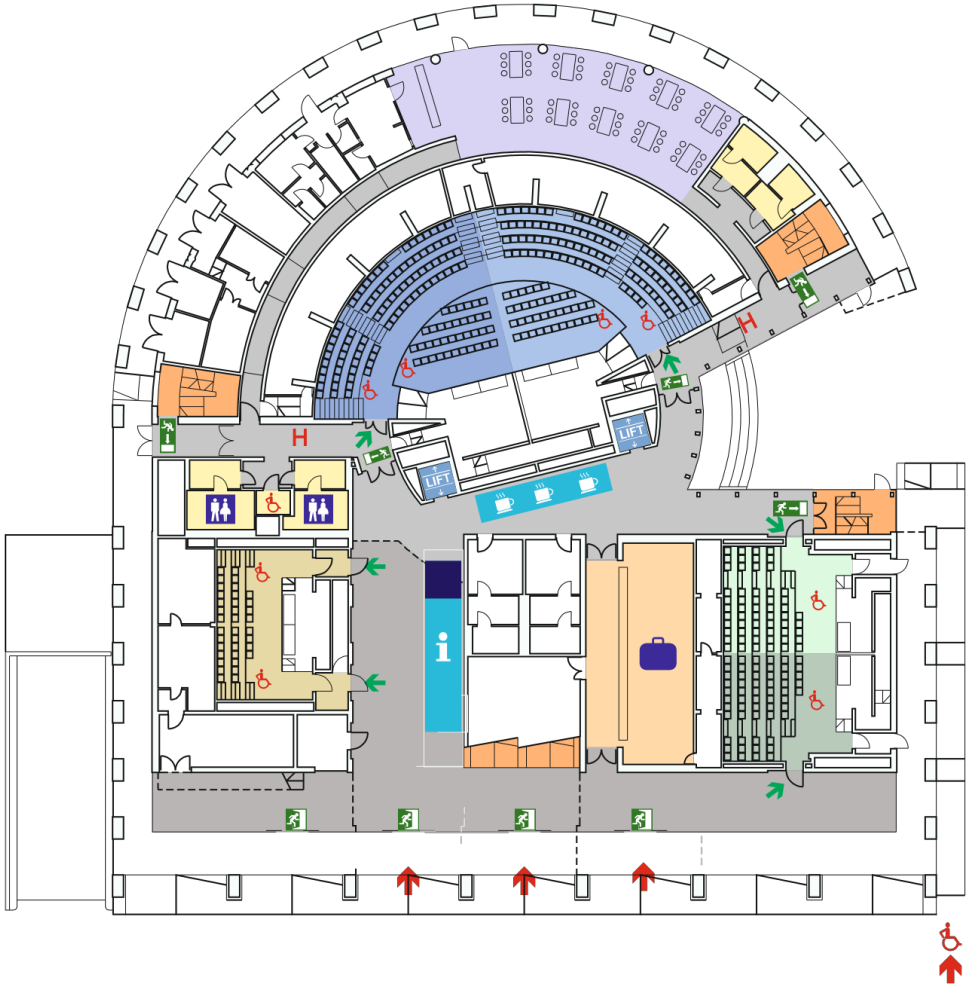
POSTER SESSION II – Wednesday 22 June 2016, 14:15 – 15:15

PS II – 2	HaMT-34	Q. Pelletier, T. Persoons, D. B. Murray - NUMERICAL OPTIMISATION OF UNSTEADY NATURAL CONVECTION HEAT TRANSFER FROM A PAIR OF HORIZONTAL CYLINDERS
PS II – 4	HaMT-38	R. Smusz - ANALYTICAL AND EXPERIMENTAL ANALYSIS OF TUBE COIL HEAT EXCHANGER
PS II – 6	HaMT-39	J. Wilk, S. Grosicki - LIMITING CURRENT TECHNIQUE IN THE RESEARCH OF MASS/HEAT TRANSFER IN NANOFLUIDS
PS II – 8	HaMT-40	B. Hadała, Z. Malinowski - VALIDATION OF HEAT TRANSFER BOUNDARY CONDITION FOR STEEL PLATE COOLING FROM HIGH TEMPERATURES
PS II – 10	HaMT-41	S. D. Zhou, G. N. Xi - THE HEAT TRANSFER ENHANCEMENT MECHANISMS OF TUBES WITH DIFFERENT ARRAYS IN THE TRANSITIONAL FLOW
PS II – 12	HaMT-42	D. Jafari, P. Di Marco, S. Filippeschi, A. Franco - CHARACTERISTICS OF HEAT TRANSFER AND FLUID FLOW IN TWO-PHASE CLOSED THERMOSYPHON: AN EXPERIMENTAL AND TRANSIENT NUMERICAL ANALYSIS
PS II – 14	HaMT-43	T. Śliwa, A. Sapińska-Śliwa, R. Wiśniowski, Z. Piechówka, D. Pycha, M. Krzemień, M. Jaszczur - INFLUENCE OF FLOW RATE AND HEATING POWER IN EFFECTIVE THERMAL CONDUCTIVITY APPLIED IN BOREHOLE HEAT EXCHANGERS
PS II – 16	ITP-9	A. Tilioua, L. Libessart, G. Jeandel, S. Lassue - CHARACTERISATION OF HEAT TRANSFER THROUGH METISSE INSULATION
PS II – 18	MHD-1	S. Pradhan - THIN FILM DEPOSITION USING RAREFIED GAS JET
PS II – 20	MNS-8	M. Kawa, D. Migdal, A. Podborska, K. Pilarczyk, K. Szaciłowski - CHARGE TRAPPING BEHAVIOUR IN RGO@TiO2 AND RGO@CdS NANOCOMPOSITES
PS II – 22	MNS-9	M. Kawa, A. Podborska, K. Szaciłowski - INTERACTIONS BETWEEN GRAPHENE OXIDE AND WIDE BAND GAP SEMICONDUCTORS
PS II – 24	MTECH-5	M. I. Barbaa, M. Berdascoa, D. Salaveraa, M. S. Larrechib, A. Coronasa - IMPLEMENTING A METHOD BASED ON NEAR INFRARED SPECTROSCOPY FOR THE “IN-SITU” DETERMINATION OF AMMONIA/WATER COMPOSITION IN AN ABSORBER TEST BENCH
PS II – 26	MTECH-7	A. Sielaff, G. Rosengarten, N. Rajic, P. Stephan - INFLUENCES OF SEMITRANSPARENT MEDIA AND SURFACE REFLECTIONS ON INFRARED THERMOGRAPHY
PS II – 28	MTECH-8	M. Nemś, J. Kasperski - DETERMINING NON-LINEAR CHARACTERISTICS OF A CONCENTRATING SOLAR COLLECTOR ACCORDING TO THE EXPERIMENT DESIGN
PS II – 30	MTECH-9	A. Ziemba, E. Fornalik-Wajs - EVALUATION OF COLOUR SPACE TRANSFORMATION SUITBAILITY TO OPTICAL TEMPERATURE MEASUREMENTS
PS II – 32	MTECH-10	M. Jaszczur, K. Styszko, J. Tomaszek, K. Żurawska - AN ANALYSIS OF LONG TERM TEMPERATURE MEASUREMENT USING LASER INDUCED FLUORESCENCE
PS II – 34	CCaGT-1	Y. Komatsu, A. Sciazko, M. Zakrzewski, K. Fukuda, K. Tanaka, A. Hashimoto, S. Kaneko, S. Kimijima, J. S. Szmyd, Y. Kobayashi - EXPERIMENTAL AND ANALYTICAL EVALUATION OF THE DRYING KINETICS OF BELCHATOW LIGNITE IN RELATION TO THE SIZE OF PARTICLES
PS II – 36	MULTI-2	M. Habert, B. Agostini - AIR-COOLED THERMOSYPHON FOR PRESS PACK STACK OF SEMICONDUCTORS
PS II – 38	MULTI-16	W. Grassi, D. Testi, B. Pulvirenti, D. Della Vista, L. Urbanucci - CHARACTERISATION OF CHF UNDER EHD BOILING JETS: PRELIMINARY MODEL AND EXPERIMENTAL RESULTS
PS II – 40	MULTI-20	M. Jaszczur, A. Młynarczykowska - AN ANALYSIS OF THE VELOCITY FIELD DISTRIBUTION INSIDE THE FLOTATION CHAMBER
PS II – 42	MULTI-21	F. K. Leube, P. Stephan, K. S. Drese - SYSTEM MODEL TO INVESTIGATE INSTABILITIES IN MICROCHANNEL EVAPORATORS FOR PROCESS ENGINEERING APPLICATIPONS
PS II – 44	MULTI-22	Y. Naresh, C. Balaji - NUMERICAL INVESTIGATIONS OF SMALL DIAMETER TWO-PHASE CLOSED THERMOSYPHON
PS II – 46	MULTI-23	M. Piasecka, K. Strąk, B. Maciejewska, B. Grabas - A STUDY OF THE FLOW BOILING HEAT TRANSFER IN A MINICHANNEL FOR A HEATED WALL WITH SURFACE TEXTURE PRODUCED BY VIBRATION-ASSISTED LASER MACHINING
PS II – 48	MULTI-24	M. Zych, R. Hanus, M. Jaszczur, A. Strzępowicz, L. Petryka, W. Mastej - DETERMINATION OF VOID FRACTION IN TWO PHASE LIQUID-GAS FLOW USING GAMMA ABSORPTION
PS II – 50	MULTI-25	J.M. Corberan, S. Martínez-Ballester, C. La Barbera, J. Gonzálvez-Maciá - EFFECTIVENESS AND MEAN TEMPERATURE DIFFERENCE IN HEAT EXCHANGERS WITH PHASE CHANGE
PS II – 52	CONVCOND-16	M. Jaszczur, L. Pyrda - APPLICATION OF LASER INDUCED FLUORESCENCE IN EXPERIMENTAL ANALYSIS OF CONVECTION PHENOMENA
PS II – 54	PCP-7	A. Laaouatni, N. Martaj, R. Bennacer, M. El Omari, M. El Ganaoui - STUDY OF IMPROVING THE THERMAL RESPONSE OF A CONSTRUCTION MATERIAL CONTAINING A PHASE CHANGE MATERIAL
PS II – 56	PCP-11	B. Sponagle, D. Groulx - NUMERICAL STUDY OF TEMPERATURE CONTROL IN TABLET COMPUTERS USING PHASE CHANGE MATERIAL THERMAL ENERGY STORAGE

POSTER SESSION II – Wednesday 22 June 2016, 14:15 – 15:15

PS II – 58	PCP-12	U. Oechsle, K. Spindler - INVESTIGATION OF MICRO- AND NANOSTRUCTURED COATINGS FOR HEAT EXCHANGER SURFACES IN AN ICE STORAGE
PS II – 60	PCP-13	L. Klimes, T. Mauder, P. Charvat, J. Stetina - A FRONT TRACKING ALGORITHM FOR THE SOLUTION OF HEAT TRANSFER PROBLEMS WITH PHASE CHANGE MATERIALS
PS II – 62	PCP-14	Y. Kita, Y. Okauchi, D. Orejon, M. Kohno, Y. Takata, J. Kim, K. Sefiane - CONDENSATION OF WATER VAPOUR ONTO EVAPORATING VOLATILE DROPLETS
PS II – 64	PCP-15	R. Pastuszko, R. Kaniowski - POOL BOILING VISUALIZATION ON PLAIN MICRO-FINS AND MICRO-FINS WITH SINTERED PERFORATED FOIL
PS II – 66	RAD-2	A. Frank, K. Spindler, W. Heidemann - MODELING OF THE SURFACE-TO-SURFACE RADIATION EXCHANGE USING A MONTE CARLO METHOD

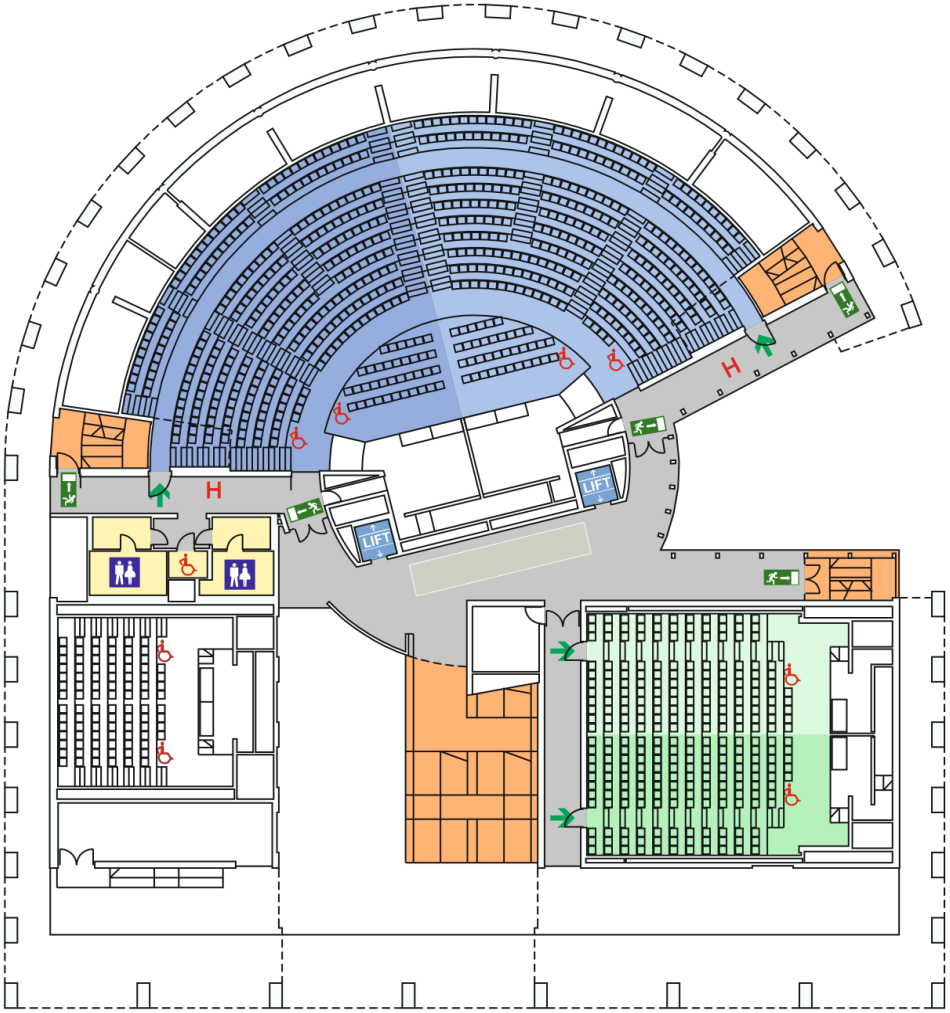
Auditorium Maximum
Ground Floor



- Large Hall A
- Large Hall B
- Medium Hall A
- Medium Hall B
- Small Hall
- Reception Desk
- Speakers Preparation Desk
- Coffee Area

- Entrance / Exit
- Entrance to Room
- Emergency Exit
- Lift
- Fireplug
- Cloakroom
- Toilets

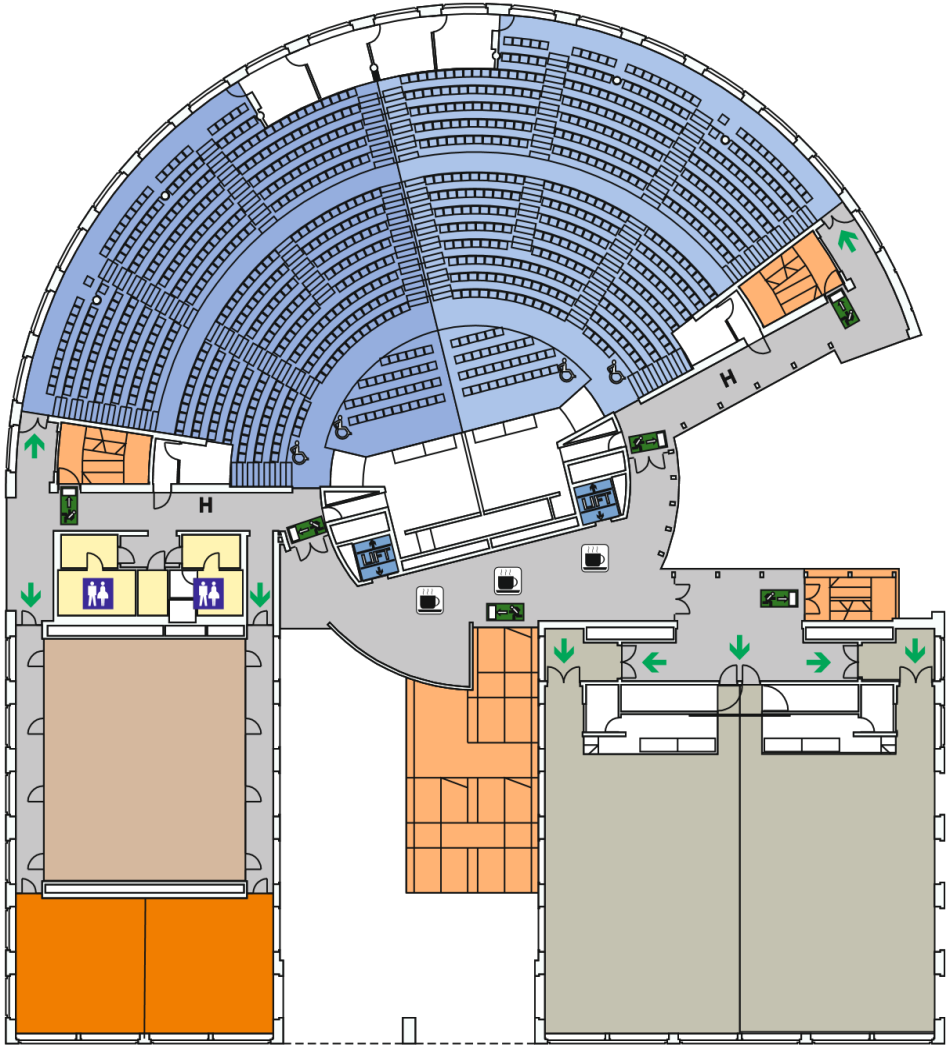
Auditorium Maximum
First Floor



- Large Hall A
- Large Hall B
- Medium Hall A
- Medium Hall B
- Computer Spot

- Entrance to Room
- Emergency Exit
- Lift
- Fireplug
- Toilets

Auditorium Maximum
Second Floor



- Large Hall A
- Large Hall B
- Exhibition Room
- Conference Room
- Seminar Room / Poster Session

- Entrance to Room
- Emergency Exit
- Lift
- Fireplug
- Toilets
- Coffee Area