

Tenth Mediterranean Combustion Symposium

17-21 September 2017



MCS-10

PROGRAM

School of Polytechnic and Basic Sciences, College of Engineering
P.le V. Tecchio, 80 – Naples (Italy)

WELCOME LETTER

The Programme Committee and the local organisers wish to thank you for attending the 10th Mediterranean Combustion Symposium and hope you will have a productive meeting.

The symposium is the tenth in a series on combustion and related topics, held by the scientific communities from countries around the Mediterranean. The first Mediterranean Combustion Symposium was held in Antalya, Turkey, June 1999, the second took place in Sharm El-Sheikh, Egypt, January 2002, the third in Marrakech, Morocco, June 2003, the fourth in Lisbon, Portugal, October 2005, the fifth in Monastir, Tunisia, September 2007, the sixth in Corsica, France, June 2009, the seventh in Chia Laguna in Sardinia, Italy, September 2011, the eighth in Cesme, Turkey, September 2013 and the ninth in Rhodes, Greece, June 2015.

The MCS aims at the common efforts of the scientific communities from countries around the Mediterranean Sea in soliciting works and promoting the participation of scientists, engineers and students from the same area. All topics and all the scientific/technological approaches in Combustion are pertinent to this Symposium. The technical program in MCS-10 consists of about 180 papers, 40 posters, 8 keynotes and 1 plenary on a range of important and current topics. The Symposium has therefore grown to become an important regional conference in Combustion.

The Symposium is structured so as to maximise contact and interactions and includes an interesting social program.

We wish to thank the Combustion Institute and the International Centre of Heat and Mass Transfer for supporting this meeting. We acknowledge the sponsorship of FLIR and of the Comune di Napoli. Special thanks to Piero Salatino, dean of School of Polytechnic and Basic Sciences of University of Naples Federico II, for hosting the meeting. We also wish to thank Stefania Acanfora of MCM Congressi, and her staff for supporting the organization. Thanks to the staff of the Institute for Research on Combustion and, in particular, to Luigi Muriello and Vincenzo Smiglio for developing the meeting website, to Roberto Solimene and Massimo Urciuolo for the organization of the rooms with the technical support of Luigi Muriello and Luigi Puca. Thanks also to Luca Caserta for giving the pictures of Naples used in the website. And finally, thanks to all the master thesis and PhD students and research fellows for their help during the meeting.

Programme Committee

A. D'Anna, F. Beretta, M. Mansour, N. Selçuk

Local Organiser

R. Chirone – Istituto di Ricerche sulla Combustione – CNR

P. Ammendola – Istituto di Ricerche sulla Combustione – CNR

COMMITTEES

Program co-chairs

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University of Science and Technology – KAUST, Thuwal – Saudi Arabia

Dr. **Franco Tamanini**, Factory Mutual, Norwood – USA

Local organizer

Dr. **Riccardo Chirone**, Istituto di Ricerche sulla Combustione, IRC-CNR,
r.chirone@irc.cnr.it

SYMPOSIUM SECRETARIAT



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COLLOQUIA

REACTION KINETICS AND REDUCED MECHANISMS (RK), including the chemistry of hydrocarbons, biofuels, oxygenated fuels, and reduction methodologies

- Maria U. Alzueta, University of Zaragoza, Zaragoza, Spain
- Alessio Frassoldati, Politecnico di Milano, Milano, Italy
- Mani Sarathy, Clean Combustion, KAUST, Saudi Arabia
- Osvalda Senneca, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy

POLLUTANT FORMATION AND CONTROL (PFC), including the physical and chemical processes affecting the formation, growth, and destruction of NOX, SOX, soot, PAH, dioxins, and other large molecules

- Barbara Apicella, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Jean-Louis Consalvi, Aix Marseille University, Marseille, France
- Patrizia Minutolo, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Nadia Sebbar, Karlsruhe Institute of Technology, Karlsruhe, Germany
- Angela Violi, University of Michigan, USA

COMBUSTION DIAGNOSTICS (CD), including the development and application of diagnostics for the understanding and control of combustion phenomena and radiative transfer

- Fengshan Liu, National Research Council, Ottawa, Canada
- Patrizio Massoli, Istituto Motori – CNR, Naples, Italy
- Raffaele Ragucci, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Nedunchezian Swaminathan, Cambridge University, Cambridge, UK
- Brent Webb, Brigham Young University, Provo, USA

TURBULENT COMBUSTION (TC), including experiments, theory, and simulations applied to turbulent flames

- Benedicte Cuenot, CERFACS, Toulouse Cedex, France
- Matthew Dunn, University of Sydney, Australia
- Christian Hasse, TU Bergakademie Freiberg, Freiberg, Germany
- Bart Merci, Ghent University, Gent, Belgium

HETEROGENEOUS COMBUSTION AND PYROLYSIS (HCP), including fundamental aspects of pyrolysis, gasification, and combustion of solid fuels (e.g., coal, char, and biomass) as well as combustion of propellants and catalytic combustion

- Stefano Cimino, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Lufei Jia, CETC-Ottawa, Ottawa, Canada
- Joachim Werther, Hamburg University of Technology, Hamburg, Germany
- Franz Winter, Technical University of Vienna, Vienna, Austria

STATIONARY COMBUSTION SYSTEMS and ENVIRONMENTAL IMPACT (SC), including combustion in fluidized beds, incineration, utility boilers, plants and industrial applications

- Edward J. Anthony, Cranfield University, Cranfield, UK
- Mario Costa, Instituto Superior Tecnico de Lisboa, Lisbon, Portugal
- Emmanuel C. Kakaras, National Technical University of Athens, Athens, Greece
- Fabrizio Scala, Università di Napoli Federico II, Naples, Italy

FIRE and EXPLOSIONS (FE), including fundamental aspects of fires as well as applications to building construction and urban/wildland fires

- Almerinda Di Benedetto, Università di Napoli Federico II, Naples, Italy
- Carlos Fernandez-Pello, University of California, Berkeley, USA
- Franco Tamanini, Factory Mutual, Norwood, USA

ENGINE, GAS TURBINE AND SPRAY COMBUSTION (EGTSC), including simulations and experiments and novel processes and fuels for these applications

- Christophe Allouis, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Fernando Biagioli, GE Power, Baden, Switzerland
- Bianca Maria Vaglieco, Istituto Motori – CNR, Naples, Italy

CO₂ CAPTURE PROCESSES AND NEW CONCEPTS (NCC), including oxy-fuel combustion, chemical looping combustion, gasification and other novel processes

- Paola Ammendola, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Mara de Joannon, Istituto di Ricerche sulla Combustione – CNR, Naples, Italy
- Victor Scherer, Bochum University, Bochum, Germany

LAMINAR FLAMES (LF)

- Fabrizio Bisetti, The University of Texas at Austin, USA

PROGRAM AT A GLANCE

time	Sunday, September 17	Monday, September 18	Tuesday, September 19	Wednesday, September 20	Thursday, September 21		
8:00 am		Registration					
8:30 am		Opening					
8:45 am							
9:00 am	6th Workshop on Measurement and Computation of Turbulent Spray Combustion (TCS5)	PLENARY SESSION	KEYNOTE LECTURE	KEYNOTE LECTURE	KEYNOTE LECTURE		
9:30 am			POSTER SESSION	coffee break	KEYNOTE LECTURE		
9:45 am		coffee break					
10:00 am		PARALLEL SESSIONS		ADVISORY BOARD MEETING	PARALLEL SESSIONS	KEYNOTE LECTURE	
10:45 am							coffee break
11:00 am							
12:40 pm		lunch break	EXCURSION & DINNER		lunch break		
12:45 pm							lunch break
2:00 pm		KEYNOTE LECTURE				KEYNOTE LECTURE	
2:20 pm		KEYNOTE LECTURE				KEYNOTE LECTURE	PARALLEL SESSIONS
2:50 pm							
3:40 pm		coffee break				coffee break	
4:00 pm		PARALLEL SESSIONS				PARALLEL SESSIONS	
5:00 pm							
6:30 pm		Get together cocktail			end of the day		end of the day
8:30 pm					Social dinner		
10:00 pm							

PROGRAM

Sunday, September 17, 2017

9:00 am 5:00 pm	6th Workshop on Measurement and Computation of Turbulent Spray Combustion (TCS5) (Hotel Royal Continental)
6:30 pm 8:30 pm	Get together cocktail (Castel dell'Ovo, Borgo Marinari)

Monday, September 18, 2017

8:00 am	Registration – School of Engineering, P.le Tecchio, 80				
8:30 am	Opening				
9:00 am	<p align="center">PLENARY SESSION / Aula Magna Massimilla Some notes on challenges of combustion in future energy systems <i>H. Bockhorn - Karlsruhe Institute of Technology, Germany</i> <i>Chair: F. Beretta</i></p>				
9:45 am	coffee break				
10:00 am	<p align="center">PARALLEL SESSIONS</p>				
	Aula Magna Massimilla Chair: F. Bisetti	Aula C Chair: A. Violi	Aula D Chair: J.F. Driscoll	Aula E Chair: U. Arena	Aula Bobbio Chair: W. Roberts
10:00 am	TC-1 EVALUATION OF PARTIALLY PREMIXED FLAME STABILITY FROM MIXTURE FRACTION STATISTICS IN A TURBULENT SLOT BURNER	PFC-1 COMBINED MERCURY REMOVAL AND LOW TEMPERATURE NH ₃ -SCR OF NO WITH MnO _x /TiO ₂ SORBENTS/CATALYSTS	CD-2 QUANTITATIVE NH MEASUREMENTS BY USING LASER BASED DIAGNOSTICS IN LOW PRESSURE FLAMES	HCP-1 COMBUSTION BEHAVIOR OF COALS FROM THERMOGRAVIMETRIC AND DROP TUBE FURNACE EXPERIMENTS	EGTSC-1 NUMERICAL EVALUATION OF COMBUSTION REGIMES IN A GDI ENGINE
	<i>S. Kruse; M.S. Mansour; A.M. Elbaz; E. Varea; G. Grünefeld; J. Beeckmann; H. Pitsch</i>	<i>S. Cimino; C. Mangone; F. Scala</i>	<i>N. Lamoureux; L. Gasnot; P. Desgroux</i>	<i>A. Moço; M. Costa; C. Casaca; J. G. Pohlmann; F. M. Pereira</i>	<i>N. J. Beavis; S. S. Ibrahim; W. Malalasekera</i>
10:20 am	TC-2 IMPLEMENTATION AND EVALUATION OF THE DYNAMIC SMAGORINSKY MODEL AND AN EDDY DISSIPATION MODEL WITH MULTIPLE REACTION TIME SCALES IN FIREFOAM	PFC-11 SOOT TEMPERATURE MEASUREMENTS IN A OSCILLATING ETHYLENE-AIR DIFFUSION FLAME	CD-3 EFFECT OF LIMESTONE ADDITION ON RADIATIVE HEAT TRANSFER DURING CO-FIRING OF HIGH-SULFUR CONTENT LIGNITE WITH BIOMASS IN FLUIDIZED BED COMBUSTORS	HCP-2 CHEMICAL EQUILIBRIUM MODELING OF ENTRAINEDFLOW GASIFICATION OF TORREFIED TOMATO PEELS	
	<i>G. Maragkos; T. Beji; B. Mercì</i>	<i>F. Cepeda; R. Demarco; F. Nmira; J. L. Consalvi; A. Fuentes</i>	<i>C. Ates; N. Selçuk; G. Kulah</i>	<i>P. Brachi; R. Chirone; F. Miccio; M. Miccio; G. Ruoppolo</i>	

MON. 18	TC	PFC	CD	HCP	EGTSC
10:40 am	<p>TC-3</p> <p>DIRECT NUMERICAL SIMULATION OF HEAD-ON QUENCHING OF STATISTICALLY PLANAR TURBULENT PREMIXED METHANE-AIR FLAMES USING A DETAILED CHEMICAL MECHANISM</p>	<p>PFC-3</p> <p>SOOT CONCENTRATION AND PRIMARY PARTICLE SIZE IN SWIRL-STABILIZED NON-PREMIXED TURBULENT FLAMES OF ETHYLENE AND AIR</p>	<p>CD-4</p> <p>SLW MODELING OF RADIATION TRANSFER IN COMPREHENSIVE COMBUSTION PREDICTIONS</p>	<p>HCP-3</p> <p>EFFECT OF KAOLIN ADDITION ON FLY ASH EMISSION DURING COMBUSTION OF LOW-RANK COALS</p>	<p>EGTSC-3</p> <p>PERFORMANCE AND EMISSIONS OF A CI OPTICAL ENGINE FUELED WITH WATER IN DIESEL EMULSION THROUGH MICROCHANNELS EMULSIFICATION</p>
	<p><i>J. Lai; M. Klein; N. Chakraborty</i></p>	<p><i>S. Chatterjee; Ö. L. Gülder</i></p>	<p><i>J. T. Pearson; J. Ma; V. P. Solovjov; B. W. Webb</i></p>	<p><i>J. Chen; F. Jiao; Y. Ninomiya</i></p>	<p><i>L. Marchitto; R. Calabria; C. Tornatore; J. Bellettre; P. Massoli; A. Montillet; G. Valentino</i></p>
11:00 am	<p>TC-4</p> <p>DNS STUDY OF DEPENDENCE OF BULK CONSUMPTION VELOCITY ON TURBULENCE AND MIXTURE CHARACTERISTICS</p>	<p>PFC-4</p> <p>EDCSMOKE: A NEW COMBUSTION SOLVER BASED ON OPENFOAM</p>	<p>CD-5</p> <p>PIV MEASUREMENTS OF FLAME-STRAIN RATE INTERACTIONS AND FUEL INJECTION DYNAMICS</p>	<p>HCP-4</p> <p>SLOW PYROLYSIS OF WALNUT SHELLS IN NITROGEN AND CARBON DIOXIDE</p>	<p>EGTSC-4</p> <p>DYNAMICS OF ACOUSTICALLY FORCED NON-PREMIXED FLAMES CLOSE TO BLOW-OFF</p>
	<p><i>R. Yu; A. N. Lipatnikov</i></p>	<p><i>M. R. Malik; Z. Li; A. Cuoci; A. Parente</i></p>	<p><i>J. H. Frank; B. Coriton; L. M. Pickett; P. Sphicas; S. A. Skeen; A. Ruggles; J. C. Oefelein; A. Ruiz</i></p>	<p><i>O. Senneca; F. Cerciello; S. Heuer; P. Ammendola</i></p>	<p><i>A. M. Kypraiou; A. Giusti; P. M. Allison; E. Mastorakos</i></p>
11:20 am	<p>TC-5</p> <p>INVESTIGATION OF NON-PREMIXED PILOTED METHANE FLAMES BY LES WITH FLAMELET GENERATED MANIFOLDS</p>	<p>PFC-5</p> <p>REACTIVITY OF DIESEL AND ALTERNATIVE FUEL ENGINE SOOT WITH NO AT COMBUSTION CONDITIONS: EVALUATION OF SOOT NATURE ON ITS SUBSEQUENT OXIDATION</p>	<p>CD-6</p> <p>TEMPERATURE MEASUREMENTS IN CONFINED SWIRLING SPRAY FLAMES BY VIBRATIONAL COHERENT ANTISTOKES RAMAN SPECTROSCOPY</p>	<p>HCP-5</p> <p>INFLUENCE OF STOKING ON THE COMBUSTION OF BEECH WOOD PARTICLES OF DIFFERENT SHAPE IN AN AGITATED BED</p>	<p>EGTSC-5</p> <p>LOCAL CHARACTERISTICS OF FRAGMENTS IN ATOMIZING SPRAYS</p>
	<p><i>E. Inanc; A. M. Kempf</i></p>	<p><i>M. Abián; M. U. Alzueta</i></p>	<p><i>L. M. L. Cantu; J. Grohmann; W. Meier; M. Aigner</i></p>	<p><i>F. Buß; S. Wirtz; V. Scherer</i></p>	<p><i>P. X. Pham; A. Kourmatzis; A. R. Masri</i></p>

MON. 18	TC	PFC	CD	HCP	EGTSC
11:40 am	<p>TC-6</p> <p>THE EFFECT OF SPLITTING TIMING ON MIXING IN A JET WITH MULTIPLE INJECTIONS: A LARGE-EDDY SIMULATION STUDY</p>	<p>PFC-6</p> <p>SOOT PROPENSITY BY IMAGE MAGNIFICATION AND ARTIFICIAL INTELLIGENCE</p>	<p>CD-7</p> <p>VALIDATION OF FEMTOSECOND CHIRPED-PROBE-PULSE CARS FOR THERMOMETRY IN TURBULENT SPRAY FLAMES</p>	<p>HCP-6</p> <p>COMBUSTION AND EXPLOSION OF TITANIUM ALLOY Ti6Al4V</p>	<p>EGTSC-6</p> <p>EXPERIMENTAL AND COMPUTATIONAL INVESTIGATIONS OF PRECHAMBER JET IGNITION IN A RAPID COMPRESSION EXPANSION MACHINE</p>
	<p><i>A. Hadadpour; X. S. Bai; M. Jangi</i></p>	<p><i>J. Pino; H. Garces; J. Cuevas; L. Arias; A. J. Rojas; A. Fuentes</i></p>	<p><i>A. Lowe; L. Thomas; A. Satija; R. P. Lucht; A. R. Masri</i></p>	<p><i>M. Millogo; S. Bernard; P. Gillard</i></p>	<p><i>M. Kotzagianni; D. Sakellarakis; P. Kyrtatos; Y. M. Wright; K. Boulouchos</i></p>
12:00 pm	<p>TC-7</p> <p>NUMERICAL STUDY ON THE IMPORTANCE OF THE TURBULENT INLET BOUNDARY CONDITION AND DIFFERENTIAL DIFFUSION IN A TURBULENT H₂/N₂/AIR JET DIFFUSION FLAME</p>	<p>PFC-7</p> <p>EXPERIMENTAL AND NUMERICAL STUDY OF SOOT FORMATION AND EVOLUTION IN CO-FLOW LAMINAR PARTIALLY PREMIXED FLAMES</p>	<p>CD-8</p> <p>TURBULENCE CHARACTERIZATION OF A FLOW AROUND A DI INJECTOR BY MEANS OF TR-PIV</p>	<p>HCP-7</p> <p>IGNITION OF COAL WATER SLURRIES BASED ON COAL FLOTATION WASTES WITH ADDITIVES OF PETROCHEMICALS</p>	<p>EGTSC-7</p> <p>INVESTIGATION OF LPG FLAME STRUCTURE IN DOUBLE SWIRL GAS TURBINE MODEL COMBUSTOR</p>
	<p><i>A. D'Ausilio; I. Stankovic; B. Merci</i></p>	<p><i>G. De Falco; M. Sirignano; M. Commodo; L. Merotto; F. Migliorini; R. Dondè; S. De Iulii; P. Minutolo; A. D'Anna</i></p>	<p><i>R. C. R. Berti; V. A. A. Bortolin; H. H. S. Villanueva; G. C. Krieger Filho</i></p>	<p><i>K. Vershinina; S. Lyrshchikov; S. Shevyrev; P. Strizhak</i></p>	<p><i>A. Mardani; H. Rezapour-Rastaaghi; A. Fazlollahi-Ghomshi</i></p>
12:20 pm	<p>TC-8</p> <p>ANALYSIS OF LES-BASED COMBUSTION MODELS APPLIED TO AN ACETONE TURBULENT SPRAY FLAME</p>	<p>PFC-8</p> <p>DETAILED MODELING OF SOOT PARTICLE FORMATION AND COMPARISON TO OPTICAL DIAGNOSTICS IN PREMIXED ETHYLENE FLAMES</p>		<p>HCP-8</p> <p>NUMERICAL STUDY OF ONE-DIMENSIONAL PYROLYZING THERMAL PROTECTION SYSTEMS</p>	<p>EGTSC-8</p> <p>AN EXPERIMENTAL STUDY OF THE INFLUENCE OF AL₂O₃ NANOPARTICLES FUEL ADDITIVES ON THE WORKING CHARACTERISTICS OF CI ENGINE</p>
	<p><i>F. L. Sacomano Filho; J. Kadavelil; M. Stauffer; A. Sadiki; J. Janicka</i></p>	<p><i>S. Salenbauch; M. Sirignano; M. Pollack; A. D'Anna; C. Hasse</i></p>		<p><i>M. Celep; Y. Ata; A. C. Baytaş</i></p>	<p><i>M. Marei; Y. Eldrainy; A. Elwardany; M. El-kassaby</i></p>
12:40 pm	lunch break				

MON. 18

2:00 pm	KEYNOTE LECTURE / Aula Magna Massimilla Oxyfuel combustion of solid fuels <i>R. Kneer - RWTH Aachen University, Germany</i> Chair: <i>N. Selçuk</i>				
2:50 pm	KEYNOTE LECTURE / Aula Magna Massimilla May low temperature chemistry affect flames? <i>T. Faravelli – Politecnico di Milano, Italy</i> Chair: <i>P. Dagaut</i>				
3:40 pm	coffee break				
4:00 pm	PARALLEL SESSIONS				
	Aula Magna Massimilla Chair: A. Masri	Aula C Chair: H. Bockhorn	Aula D Chair: B.W. Webb	Aula E Chair: F. Tamanini	Aula Bobbio Chair: P. Massoli
4:00 pm	TC-9 LARGE EDDY SIMULATION OF A SPRAY JET FLAME USING FILTERED TABULATED CHEMISTRY APPROACH	PFC-9 KINETIC MODELING OF SOOT FORMATION IN PREMIXED BURNER-STABILIZED STAGNATION ETHYLENE FLAMES AT HEAVILY SOOTING CONDITION	CD-9 INFLUENCE OF APPROXIMATIONS FOR PARTICLE SCATTERING PHASE FUNCTIONS ON HEAT TRANSFER	FE-1 ON THE EFFECT OF FUEL MOISTURE CONTENT ON THE SMOLDERING IGNITION OF A NATURAL FUEL BY FIREBRANDS	EGTSC-9 RESPONSE OF FLAMES WITH DIFFERENT DEGREES OF PREMIXEDNESS TO ACOUSTIC OSCILLATIONS
	<i>A. Chatelier; V. Moureau; N. Bertier; B. Fiorina</i>	<i>W. Pejpichetsakul; A. Frassoldati; A. Parente; T. Faravelli</i>	<i>T. Gronarz; M. Habermehl; R. Kneer</i>	<i>J. Song; J. L. Urban; N. Liu; C. Fernandez-Pello</i>	<i>A. M. Kypraiou; P. M. Allison; A. Giusti; E. Mastorakos</i>
4:20 pm	TC-10 EFFECTS OF HYDRODYNAMIC INSTABILITY ON TURBULENT PREMIXED FLAME MORPHOLOGY AND PROPAGATION	PFC-10 ON THE MODELLING OF SOOT PARTICLE DYNAMICS IN LAMINAR COFLOW DIFFUSION FLAMES	CD-10 ISOTHERMAL CHARACTERIZATION OF CYCLONIC FLOWS FOR DILUTED COMBUSTION TECHNOLOGIES USING PIV AND FLOW VISUALIZATION	FE-2 COMPUTER SIMULATION OF SMOKE STRATIFICATION DURING FIRE IN BI-DIRECTIONAL ROAD TUNNEL BY FDS 6	EGTSC-10 EFFECT OF MASS TRANSFER ON DIESEL ENGINE PERFORMANCE AND EMISSIONS
	<i>R. Lamioni; P. E. Lapenna; G. Troiani; F. Creta</i>	<i>F. Escudero; F. Nmira; J. L. Consalvi</i>	<i>G. Sorrentino; P. Sabia; M. de Joannon; A. Cavaliere; R. Ragucci</i>	<i>P. Weisenpacher; J. Glasa; L. Valasek</i>	<i>E. Neshat; D. Honnery; R. Khoshbakhti Saray; M. Nazemian</i>

MON. 18	TC	PFC	CD	FE	EGTSC
4:40 pm	<p>TC-11</p> <p>MESH SENSITIVITY OF CFD RESULTS WITH THE EDDY DISSIPATION CONCEPT IN LARGE EDDY SIMULATIONS OF THE UMD LINE BURNER</p>	<p>PFC-2</p> <p>ASSESSMENT OF A MODIFIED SEMI-EMPIRICAL ACETYLENE/BENZENE BASED SOOT PRODUCTION MODEL</p>	<p>CD-11</p> <p>AN INVESTIGATION OF RADIATIVE HEAT TRANSFER IN POOL FIRE SIMULATIONS</p>	<p>FE-3</p> <p>INFLUENCE OF SOOT PARTICLES ON THE LOWER FLAMMABILITY LIMIT OF METHANE</p>	<p>EGTSC-11</p> <p>MULTI-COUPLED NUMERICAL SIMULATIONS OF THE DLR GENERIC SINGLE SECTOR COMBUSTOR</p>
	<p><i>B. Kruljevic; G. Maragkos; B. Merci</i></p>	<p><i>R. Demarco; J. Contreras; A. Fuentes; J. L. Consalvi</i></p>	<p><i>I. Sikic; S. Dembele; J. Wen</i></p>	<p><i>A. Coppalle; Z. Yuhai; J. Yon; P. Aine; A. S. Loo</i></p>	<p><i>S. Puggelli; S. Paccati; D. Bertini; L. Mazzei; A. Andreini; A. Giusti</i></p>
5:00 pm	<p>TC-12</p> <p>IMPLICIT LES STUDY OF HYDROGEN FORCED IGNITION IN A TEMPORALLY EVOLVING MIXING LAYER</p>	<p>PFC-12</p> <p>MODELLING ANALYSIS OF PAH AND SOOT MEASURED IN A PREMIXED TOLUENE-DOPED METHANE FLAME</p>	<p>CD-12</p> <p>STEREO-PIV MEASUREMENTS ON CH₄-air-O₂ TURBULENT SWIRLING FLAMES</p>	<p>FE-4</p> <p>CROWN FIRE DEVELOPMENT IN A FOREST STAND</p>	<p>EGTSC-12</p> <p>AN IMPROVED FORMULATION OF THE BRAY-MOSS-LIBBY (BML) MODEL FOR SI ENGINE COMBUSTION MODELING</p>
	<p><i>A. Wawrzak; A. Tyliczszak</i></p>	<p><i>C. Russo; L. Giarracca; F. Stanzione; B. Apicella; A. Tregrossi; A. Ciajolo; A. D'Anna; M. Sirignano</i></p>	<p><i>T. Boushaki; N. Merlo; C. Chauveau; I. Gokalp</i></p>	<p><i>S. Vaccaro; G. Battipaglia</i></p>	<p><i>C.P. Ranasinghe; W. Malalasekera</i></p>
5:20 pm	<p>TC-13</p> <p>A DNS STUDY OF CLOSURE RELATIONS FOR CONVECTION FLUX TERM IN TRANSPORT EQUATION FOR MEAN REACTION RATE IN TURBULENT FLOW</p>	<p>PFC-13</p> <p>EXAMINATION OF COMBUSTION GENERATED SMOKE PARTICLES AT SOURCE USING DIFFERENT SAMPLING METHODS: EFFECTS ON ATMOSPHERIC LIGHT ABSORPTION</p>	<p>CD-13</p> <p>AN EXPERIMENTAL STUDY ON TURBULENT PREMIXED EXPANDING FLAMES USING SIMULTANEOUSLY SCHLIEREN AND TOMOGRAPHY TECHNIQUES</p>	<p>FE-5</p> <p>INVESTIGATION OF EXPLOSION POINT PARAMETER FOR VARIOUS LIQUID FUELS</p>	<p>EGTSC-13</p> <p>EXPERIMENTAL STUDY ON THE COMBUSTION OF SINGLE HEAVY FUEL OIL DROPLET</p>
	<p><i>A. N. Lipatnikov; V. A. Sabelnikov; N. Chakraborty; S. Nishiki; T. Hasegawa</i></p>	<p><i>J. M. Jones; E. J. S. Mitchell; A. Williams; E. K. Barimah; G. Jose; K. D. Bartle; N. Hondow; A. R. Lea-Langton</i></p>	<p><i>P. Brequigny; C. Endouard; C. Mounaim-Rousselle; F. Foucher</i></p>	<p><i>M. Grabarczyk; K. Werczyńska</i></p>	<p><i>A. Alkhateeb; A. M. Elbaz; P. Guida; W. L. Roberts</i></p>

MON. 18	TC	PFC	CD	FE	EGTSC
5:40 pm	TC-14 FILTERED REACTION RATE MODELLING IN HIGH KARLOVITZ NUMBER FLAMES USING DNS DATA	PFC-14 EVOLUTION OF SOOT SIZE AND YIELD FROM BIOMASS UNDER N ₂ AND N ₂ /CO ₂ FLOW	CD-14 A MEASURED REGIME DIAGRAM OF TURBULENT PREMIXED FLAMES BASED ON IMAGES OF FLAME STRUCTURE	FE-6 NUMERICAL INVESTIGATION OF EARLY FLAME PROPAGATION IN VENTED EXPLOSION	EGTSC-14 DEVELOPMENT OF ROBUST COMPUTATIONAL TOOLS FOR ROTATING DETONATION ENGINES
	<i>T. Nilsson; R. Yu; X. S. Bai; N. A. K. Doan; I. Langella; N. Swaminathan</i>	<i>Á. D. García; K. Kirtania; K. Umeki</i>	<i>A. W. Skiba; T. M. Wabel; J. F. Driscoll; C. D. Carter; S. Hammack</i>	<i>R. Li; W. Malalasekera; S. S. Ibrahim</i>	<i>D. Masselot; T. Sato; S. Voelkel; V. Raman</i>
6:00 pm	TC-15 A HYPOTHESIS OF STATISTICAL EQUILIBRIUM OF SMALL-SCALE COMBUSTION STRUCTURES IN THE THEORY OF THE TURBULENT PREMIXED FLAME	PFC-15 ELECTRIC FIELD INFLUENCE ON THE STABILITY AND SOOT PRODUCTION OF AN ETHYLENE DIFFUSION FLAME	CD-15 SOOT TEMPERATURE MEASUREMENTS IN A FOREST FUEL LAYER	FE-7 THE POSSIBILITY OF WEAK DETONATION IN TWO-PHASE SYSTEMS	EGTSC-15 INVESTIGATION OF TIME-RESOLVED CAVITY IGNITION PROCESSES IN A MODEL SCRAMJET WITH A LASERINDUCED PLASMA
	<i>V. L. Zimont</i>	<i>P. Gillon; V. Gilard; M. Idir</i>	<i>J. Contreras; G. Severino; F. Cepeda; P. Reszka; J. L. Consalvi; A. Fuentes</i>	<i>I. Brailovsky; L. Kagan; G. Sivashinsky</i>	<i>J. Zhu; Z. Cai; M. Sun; H. Wang; J. Liang</i>
6:30 pm	end of the day				

Tuesday, September 19, 2017

8:45 am	KEYNOTE LECTURE / Aula Magna Massimilla Diagnostics for measuring soot morphology in high pressure flames <i>W. Roberts - King Abdullah University of Science and Technology, Saudi Arabia</i> <i>Chair: A. D'Anna</i>
9:30 am 11:00 am	POSTER SESSION
10:00 am	ADVISORY BOARD MEETING
11:00 am 10:00 pm	Bus departure to CAMPI PHLEGRAEI – Meeting point: School of Engineering EXCURSION & DINNER

Wednesday, September 20, 2017

9:00 am	KEYNOTE LECTURE / Aula Magna Massimilla Combustion characteristics in LTC internal combustion engines <i>X.-S. Bai - Lund University, Sweden</i> <i>Chair: A.R. Masri</i>				
9:45 am	coffee break				
10:00 am	PARALLEL SESSIONS				
	Aula Magna Massimilla Chair: X.S. Bai	Aula C Chair: O. Senneca	Aula D Chair: G. Kulah	Aula E Chair: B. Merci	Aula Bobbio Chair: C. Allouis
10:00 am	TC-16 FLAME CURVATURE IN HIGH PRESSURE BUNSEN FLAMES	RK-1 MORE INSIGHT INTO CYCLOHEXANONE OXIDATION: JET-STIRRED REACTOR EXPERIMENTS AND KINETIC MODELING	NCC-1 THERMAL PERFORMANCE ANALYSIS OF A SYNGASFUELED HYBRID SOLAR RECEIVER COMBUSTOR OPERATED IN THE MILD COMBUSTION REGIME	FE-8 FLASH POINT IN AIR AND PURE OXYGEN OF BINARY MIXTURES	EGTSC-16 NUMERICAL INVESTIGATION OF KEROSENE SINGLE DROPLET IGNITION AT HIGH-ALTITUDE RELIGHT CONDITIONS
	<i>M. Klein; H. Nachtigal; M. Hansinger; M. Pfitzner; N. Chakraborty</i>	<i>S. Thion; Z. Serinyel; G. Dayma; P. Dagaut</i>	<i>A. Chinnici; Z. F. Tian; J. H. Lim; G. J. Nathan; B. B. Dally</i>	<i>A. Di Benedetto; R. Sanchirico; V. Di Sarli</i>	<i>A. Giusti; M. P. Sitte; G. Borghesi; E. Mastorakos</i>
10:20 am	TC-17 MODELLING FLAME-WALL INTERACTION IN TURBULENT FLAME PROPAGATIONS	RK-2 THERMOCHEMICAL OSCILLATION OF METHANE MILD COMBUSTION DILUTED WITH N ₂ /CO ₂ /H ₂ O	NCC-2 GEOPOLYMER COMPOSITES FOR CHEMICAL LOOPING COMBUSTION	FE-9 WATER MIST EFFECTS ON PREMIXED FLAMES: EXTINCTION OR SPEED PROMOTION?	EGTSC-17 PRE-CHAMBER IGNITION MECHANISM: SIMULATIONS OF TRANSIENT AUTOIGNITION IN A MIXING LAYER BETWEEN REACTANTS AND PARTIALLY BURNT PRODUCTS
	<i>V. C. Madhav Rao; J. X. Wen</i>	<i>G. Bagheri; E. Ranzi; M. Pelucchi; M. Lubrano Lavadera; P. Sabia; M. de Joannon; T. Faravelli</i>	<i>F. Miccio; R. Bendoni; A. Piancastelli; V. Medri; E. Landi</i>	<i>C. Nicoli; P. Haldenwang; B. Denet</i>	<i>J. Sidey; E. Mastorakos</i>

WED. 20	TC	RK	NCC	FE	EGTSC
10:40 am	TC-18 ANALYSIS OF FUEL DISINTEGRATION PROCESS UNDER SUPERCRITICAL CONDITIONS USING LARGE EDDY SIMULATION	RK-3 HYDROCARBONS FOR THE NEXT GENERATION JET FUEL SURROGATES	NCC-3 EFFECTS OF OXY-FUEL CONDITIONS ON WALNUT SHELLS PYROLYSIS IN A DROP TUBE REACTOR	FE-10 A SIMPLIFIED MODEL ON CARBON MONOXIDE YIELD IN BURNING OF POLYMERIC SOLIDS CONTAINING FLAME RETARDANTS	EGTSC-18 FUNDAMENTAL ANALYSIS OF LIQUID BREAKUP MECHANISM IN A ROTARY ATOMIZER WITH SQUARE DISCHARGE ORIFICE
	<i>P. Obando; F. Ries; A. Sadiki; J. Janicka</i>	<i>D. Kim; A. Violi</i>	<i>O. Senneca; F. Ceriello; L. Cortese; S. Heuer; M. Schiemann; V. Scherer</i>	<i>H. Guo; R. E. Lyon; N. Safronava; R. N. Walters; S. Crowley</i>	<i>M. Ghorbanhosseini; S. Rezayat; M. Farshchi</i>
11:00 am	TC-19 MODES OF COMBUSTION AND REACTION ZONES MORPHOLOGY IN MILD COMBUSTION	RK-4 SHOCK TUBE STUDIES ON ETHANOL PREIGNITION	NCC-4 BEYOND BATTERIES - METALS AS ZERO-CARBON RECYCLABLE FUELS	FE-11 SPONTANEOUS IGNITION OF WILDLAND FUEL BY IDEALIZED FIREBRANDS	EGTSC-19 EFFECT OF FERROCENE NANOPARTICLES AS ADDITIVES ON DIESEL ENGINE PERFORMANCE AND EMISSIONS
	<i>N. A. K. Doan; Y. Minamoto; N. Swaminathan</i>	<i>M. Figueroa-Labastida; A. M. Elbaz; W. L. Roberts; A. Farooq</i>	<i>J. M. Bergthorson</i>	<i>N. Hernandez; A. Fuentes; J. L. Consalvi; J. C. Elicer-Cortes</i>	<i>A. Elwardany; M. Marei; M. Ismail; Y. Eldariny; M. El-kassaby</i>
11:20 am	TC-20 INFLUENCE OF LEWIS NUMBER ON EFFECTIVE STRAIN RATES IN TURBULENT PREMIXED FLAMES	RK-5 ENHANCEMENTS OF THE G-SCHEME FRAMEWORK	NCC-5 RECENT ADVANCES AND PERSPECTIVES IN CO2 CAPTURE BY ENZYMIC REACTIVE ABSORPTION	FE-12 LARGE EDDY SIMULATIONS OF WATER SPRAY-HOT AIR JET PLUME INTERACTIONS	EGTSC-20 FLAME—WALL INTERACTION OF N-HEPTANE—AIR COMBUSTION IN A HCCI CONFIGURATION
	<i>C. Dopazo; L. Cifuentes; D. Alwazzan; N. Chakraborty</i>	<i>M. Valorani; P. P. Ciottoli; R. Malpica Galassi; S. Paolucci; T. Grenga; E. Martelli</i>	<i>S. Peirce; M. E. Russo; P. Bareschino; G. Olivieri; R. Chirone; P. Salatino; A. Marzocchella</i>	<i>S. E. Zadeh; G. Maragkos; T. Beji; B. Merci</i>	<i>Y. Kondo; Y. Minamoto; Y. Harada; M. Shimura; M. Tanahashi</i>

WED. 20	TC	RK	NCC	FE	EGTSC
11:40 am	<p>TC-21</p> <p>RESOLUTION REQUIREMENTS IN STOCHASTIC FIELD SIMULATION OF TURBULENT PREMIXED FLAMES</p>	<p>RK-6</p> <p>A THERMOCHEMICAL STUDY ON THE PRIMARY OXIDATION OF SULFUR</p>	<p>NCC-6</p> <p>A NEW DBD MICROPLASMA BURNER FOR MEASURING THE EFFECT OF NANOSECOND PLASMA DISCHARGE ON BURNING VELOCITY OF METHANE-AIR FLAME</p>	<p>FE-13</p> <p>A SCALED STUDY ON THE EFFECT OF BLOCKAGE ON TUNNEL FIRES</p>	<p>EGTSC-21</p> <p>PRE-CHAMBER IGNITION MECHANISM: EXPERIMENTS AND SIMULATIONS ON TURBULENT JET FLAME STRUCTURE</p>
	<p><i>M. A. Picciani; E. S. Richardson; S. Navarro-Martinez</i></p>	<p><i>N. Sebbar; J. W. Bozzelli; H. Bockhorn; D. Trimis</i></p>	<p><i>A. Elkholy; Y. Shoshyn; J. van Oijen; P. de Goey</i></p>	<p><i>S. Shafee; A. Yozgatligil</i></p>	<p><i>P. M. Allison; P. M. de Oliveira; A. Giusti; E. Mastorakos</i></p>
12:00 pm	<p>TC-22</p> <p>DYNAMIC MODE DECOMPOSITION OF A TURBULENT PREMIXED PLANAR JET FLAME</p>	<p>RK-7</p> <p>A GENERALIZED ENTROPY PRODUCTION ANALYSIS FOR REDUCTION OF CHEMICAL MECHANISMS INVOLVING IRREVERSIBLE REACTIONS</p>	<p>NCC-7</p> <p>THERMODYNAMICS AND KINETICS OF CO₂ ADSORPTION ON A FINE ACTIVATED CARBON IN A SOUND ASSISTED FLUIDIZED BED</p>	<p>FE-14</p> <p>DEVELOPING A COMPREHENSIVE PYROLYSIS MODEL BASED ON FIREFOAM SOLVER FOR FLAME SPREAD SIMULATIONS</p>	<p>EGTSC-22</p> <p>EXPERIMENTAL AND NUMERICAL INVESTIGATION OF A SWIRL STABILIZED, LIFTED ETHANOL SPRAY FLAME</p>
	<p><i>T. Grenga; J. F. MacArt; M. E. Mueller</i></p>	<p><i>L. Acampora; M. Kooshkbaghi; C. E. Frouzakis; F. S. Marra</i></p>	<p><i>F. Raganati; P. Ammendola; R. Chirone</i></p>	<p><i>S. Motaghian; H. Pasdarshahri</i></p>	<p><i>F. C. Cunha Galeazzo; N. Kiyoshi Fukumasu; J. Asenov Denev; G. C. Krieger Filho</i></p>
12:20 pm	<p>TC-23</p> <p>DO KOLMOGOROV EDDIES AFFECT THE AREA OF PASSIVE SELF-PROPAGATING SURFACE IN CONSTANT-DENSITY TURBULENT FLOW?</p>	<p>RK-8</p> <p>EXPERIMENTAL AND KINETIC MODELLING STUDY OF 1-BUTANOL OXIDATION</p>	<p>NCC-8</p> <p>MILD COMBUSTION OF HEPTANE IN HOT DILUTED DIFFUSION IGNITION (HDI) REGIME.</p>	<p>FE-15</p> <p>NUMERICAL STUDY OF THE TEMPERATURE EFFECT ON MODELING DETONATION PROPAGATION OF INSENSITIVE HIGH EXPLOSIVES</p>	<p>EGTSC-23</p> <p>EFFECT OF Nu- AND Sh-NUMBER CORRELATIONS ON NUMERICAL PREDICTIONS OF DROPLET EVAPORATION RATE UNDER TRANSCRITICAL CONDITIONS</p>
	<p><i>V. A. Sabelnikov; A. N. Lipatnikov</i></p>	<p><i>E. Royo; L. López; A. Millera; R. Bilbao; M. U. Alzueta</i></p>	<p><i>G. Sorrentino; P. Sabia; M. de Joannon; A. Cavaliere</i></p>	<p><i>C. YongLi; H. KuiBang; M. Hui</i></p>	<p><i>K. Nishad; I. Shevchuk; A. Sadiki; B. Weigand; J. Vrabec; J. Janicka</i></p>
12:40 pm	lunch break				

WED. 20

2:00 pm	KEYNOTE LECTURE / Aula Magna Massimilla Experimental and modelling study of the soot nucleation process in premixed flames <i>P. Desgroux - Université de Lille, France</i> <i>Chair: Ö.L. Gülder</i>				
2:50 pm	KEYNOTE LECTURE / Aula Magna Massimilla Modelling flames in industrial gas turbine combustors: challenges and future directions <i>F. Biagioli - General Electric, Switzerland</i> <i>Chair: E. Mastorakos</i>				
3:40 pm	coffee break				
4:00 pm	PARALLEL SESSIONS				
	Aula Magna Massimilla Chair: A. Cavaliere	Aula C Chair: P. Dagaut	Aula D Chair: V. Scherer	Aula E Chair: Ö.L. Gülder	Aula Bobbio Chair: F. Biagioli
4:00 pm	TC-24 ALTERNATIVE DEFINITION OF THE WRINKLING FACTOR IN THE CONTEXT OF FSD BASED LES MODELLING OF TURBULENT PREMIXED COMBUSTION	PFC-16 HRTEM AND EELS INVESTIGATION OF FLAME-FORMED SOOT NANOSTRUCTURE	HCP-9 EFFECT OF KAOLIN ADDITION ON ALKALI CAPTURE CAPABILITY DURING COMBUSTION OF OLIVE RESIDUE	LF-1 NUMERICAL AND EXPERIMENTAL STUDIES OF TORUS-LIKE FLAME AROUND THE VORTEX FILAMENT IN A PREMIXED REACTANT FLOW	EGTSC-24 MEASUREMENTS OF FUEL VAPOR MASS TRANSPORT IN THE GAS PHASE NEAR NON-REACTING AND REACTING DROPLET CHAINS
	<i>M. Klein; R. Kashtanov; N. Chakraborty</i>	<i>B. Apicella; A. Ciajolo; C. Russo; A. Tregrossi; J. Abrahamson; R. L. Vander Wal</i>	<i>O. Batir; N. Selçuk; G. Kulah</i>	<i>Y. Shoshin; V. N. Kurdyumov; L. P. H. de Goey</i>	<i>M. Stöhr; S. Werner; W. Meier</i>
4:20 pm	TC-25 THREE-DIMENSIONAL LINEAR EDDY MODELLING OF A TURBULENT LIFTED HYDROGEN JET FLAME IN A VITIATED CO-FLOW	PFC-17 SOOT PRIMARY PARTICLE SIZE DEPENDENCE ON COMBUSTION PRESSURE IN LAMINAR ETHYLENE DIFFUSION FLAMES	HCP-10 HIGHLIGHTING THE EFFECT OF THE SUPPORT DURING THE H ₂ S ADSORPTION AT LOW TEMPERATURE OVER COMPOSITE Zn-Cu SORBENTS	LF-2 PROBING EQUIVALENCE RATIO IN PARTIALLY-PREMIXED FLAMES COMBINING OPTICAL TECHNIQUES AND MODELLING RESULTS	EGTSC-25 TURBULENT BURNING CHARACTERISTICS OF FACE GASOLINE AND TPRF BLEND ASSOCIATED WITH THE SAME RON AT ELEVATED PRESSURES
	<i>F. Grøvdal; S. Sannan; J.-Y. Chen; A. R. Kerstein; T. Løvas</i>	<i>P. H. Joo; M. Christensen; E. A. Griffin; B. Gigone; Ö. L. Gülder</i>	<i>G. de Falco; F. Montagnaro; M. Balsamo; A. Erto; L. Lisi; S. Cimino</i>	<i>L. Merotto; M. Sirignano; M. Commodo; A. D'Anna; R. Dondè; F. Migliorini; S. De Iulii</i>	<i>O. Mannaa; P Brequigny; C. Mounaim-Rousselle; F. Foucher; S. H. Chung; W. L. Roberts</i>

WED. 20	TC	PFC	HCP	LF	EGTSC
4:40 pm	<p>TC-26</p> <p>DNS AND ILES STUDY OF ETHANOL SPRAY FORCEDIGNITION IN A TIME-EVOLVING MIXING LAYER</p>	<p>PFC-18</p> <p>EXPERIMENTAL INVESTIGATION OF SOOT MORPHOLOGY IN LAMINAR COFLOW ETHYLENE, PROPANE, AND BUTANE DIFFUSION FLAMES AT DIFFERENT OXYGEN INDEXES</p>	<p>HCP-11</p> <p>POISONING EFFECT OF K+ AND ITS COUNTERANION ON THE PERFORMANCE OF Mn/TiO2 CATALYST FOR THE LOW TEMPERATURE NH3-SCR OF NO.</p>	<p>LF-3</p> <p>COMBINED EXPERIMENTAL AND NUMERICAL STUDY OF ETHANOL LAMINAR FLAME EXTINCTION</p>	<p>EGTSC-26</p> <p>EXPERIMENTAL AND NUMERICAL INVESTIGATION ON FLAME FLASHBACK PHENOMENON IN AN ETHYLENEFUELED SUPERSONIC COMBUSTOR EQUIPPED WITH A CAVITY FLAMEHOLDER</p>
	<p><i>L. Kuban; J. Stempka; A. Wawrzak; A. Tylliszczak</i></p>	<p><i>J. Morán; D. Cortés; J. Cuevas; F. Escudero; F. Liu; J.-L. Consalvi; A. Fuentes</i></p>	<p><i>S. Cimino; G. Totarella; M. Tortorelli; L. Lisi</i></p>	<p><i>W. Wang; A. E. Karatas; C. P. T. Groth; O. L. Gulder</i></p>	<p><i>G. Zhao; M. Sun; J. Wu; X. Cui; H. Wang</i></p>
5:00 pm	<p>TC-27</p> <p>CLASSIFICATION AND SIMULATION OF ANOMALOUS EVENTS IN TURBULENT COMBUSTION</p>	<p>PFC-19</p> <p>MODELING SOOT PRODUCTION IN CANDLE FLAMES USING THE LAMINAR SMOKE POINT CONCEPT</p>	<p>HCP-12</p> <p>INVESTIGATION OF TURBULENT DISPERSION EFFECT ON THE COMBUSTION OF OXY-COAL</p>	<p>LF-4</p> <p>EFFECT OF CO ADDITION ON PROPAGATION SPEED OF ADIABATIC CH4/O2/CO2 FLAMES ABOVE A HEAT FLUX BURNER</p>	<p>EGTSC-27</p> <p>THE ANALYSIS OF THE COMBUSTION OF PREMIXED METHANE-HYDROGEN MIXTURES STABILISED BY AN INOVATIVE SWIRL INJECTOR</p>
	<p><i>M. Hassanaly; S. Voelkel; V. Raman</i></p>	<p><i>J. L. Consalvi; J. Contreras; P. Reszka; A. Fuentes; R. Demarco</i></p>	<p><i>A. S. Agrebi; B. M. Chrigui; C. A. Sadiqi</i></p>	<p><i>J.-F. Yu; Z.-H. Wang; D.-X. Xu; H.-B. Wang; M.-B. Sun</i></p>	<p><i>R. Carlanescu; T. Prisecaru; A. Mangra; R. Kuncser; F. Florean; M. Enache</i></p>
5:20 pm	<p>TC-28</p> <p>MODELLING TURBULENT COMBUSTION COUPLED WITH CONJUGATE HEAT TRANSFER IN OPENFOAM</p>	<p>PFC-20</p> <p>JOINT STATISTICS OF SOOT VOLUME FRACTION, PRIMARY PARTICLE DIAMETER AND TEMPERATURE IN FLAMES</p>	<p>HCP-13</p> <p>FLUIDIZED BED COMBUSTION OF SOLID LIGNIN-RICH RESIDUES FROM BIOETHANOL PRODUCTION</p>	<p>LF-5</p> <p>EXPERIMENTAL AND NUMERICAL STUDY OF LAMINAR FLAME EXTINCTION FOR SYNGAS AND SYNGAS-METHANE BLENDS</p>	<p>EGTSC-28</p> <p>EXPERIMENTAL STUDY OF CONFINED PARTIALLY PREMIXED FLAME IN LOW SWIRL FLOW</p>
	<p><i>M. el Abbassi; D. J. P. Lahaye; C. Vuik</i></p>	<p><i>Z. Sun; Z. Alwahabi; B. Dally; G. Nathan</i></p>	<p><i>A. Cammarota; R. Solimene; M. Troiano; R. Chirone; P. Salatino</i></p>	<p><i>W. Wang; A. E. Karatas; C. P. T. Groth; O. L. Gulder</i></p>	<p><i>Y. Tong; S. Yu; X. Liu; M. Li; J. Klingmann</i></p>

WED. 20	TC	PFC	HCP	LF	EGTSC
5:40 pm	TC-29 DNS STUDY OF ROLE PLAYED BY MOLECULAR TRANSPORT IN BENDING EFFECT	PFC-21 DIMERIZATION OF AROMATIC COMPOUNDS	HCP-14 ACTIVATED CHARs FOR TAR CONVERSION AT HIGH TEMPERATURE	LF-6 LAMINAR BURNING PROPERTIES OF BIOGAS AND SYNGAS FOR GAS TURBINE RETROFIT	EGTSC-29 HIGHLY STABILIZED PARTIALLY PREMIXED PROPANE FLAMES IN A CONCENTRIC FLOW CONICAL NOZZLE BURNER WITH COFLOW
	<i>R. Yu; A. N. Lipatnikov</i>	<i>P. Elvati; A. Violi</i>	<i>F. Parrillo; D. Fuentes; G. Ruoppolo; U. Arena</i>	<i>V. Moccia; J. D'Alessio</i>	<i>A. M. Elbaz; M. S. Senosy; M. F. Zayed; W. L. Roberts; M. S. Mansour</i>
6:00 pm	TC-30 RANS SIMULATION OF A TRANSCRITICAL FLAME UNDER THE INFLUENCE OF PSEUDO-BOILING PHENOMENON	PFC-22 EVIDENCE OF SUB-10 NM PARTICLE EMITTED FROM A DIESEL ENGINE	HCP-15 THEORETICAL AND EXPERIMENTAL EVALUATION OF A FAST FLUIDIZED BED REACTOR FOR THE INVESTIGATION OF COMBUSTION REACTIONS	LF-7 SCALING OF COFLOW FLAMES AT CONSTANT REYNOLDS AND GRASHOF NUMBERS WITH APPLICATION TO SOOTING FLAMES AT ELEVATED PRESSURE	EGTSC-30 STABILISATION OF SWIRLING DUAL-FUEL FLAMES
	<i>H. Zeinivand; M. Farshchi</i>	<i>M. Sirignano; M. Conturso; A. Magno; S. Di Iorio; E. Mancaruso; B.M. Vaglieco; A. D'Anna</i>	<i>S. Pielsticker; B. Gövert; T. Kreitzberg; M. Habermehl; O. Hatzfeld; R. Kneer</i>	<i>A. Abdelgadir; S. A. Steinmetz; A. Attili; F. Bisetti; W. L. Roberts</i>	<i>J. Sidey; E. Mastorakos</i>
6:30 pm	end of the day				
8:30 pm	Social dinner				

Thursday, September 21, 2017

9:00 am	KEYNOTE LECTURE / Aula Magna Massimilla Progress in CO ₂ capture in the power sector <i>F. Rubiera - Instituto Nacional del Carbón, Spain</i> Chair: <i>P. Salatino</i>			
10:00 pm	KEYNOTE LECTURE / Aula Magna Massimilla Novel approaches for comparing experimental and numerical data to understand the structure of turbulent flames <i>C. Hasse - Darmstadt University, Germany</i> <i>M.S. Mansour</i>			
10:45 am	coffee break			
11:00 am	PARALLEL SESSIONS			
	Aula Magna Massimilla Chair: C. Hasse	Aula C Chair: A. Fuentes	Aula D Chair: F. Scala	Aula Bobbio Chair: H.G. Im
11:00 am	TC-31 A PRIORI ANALYSIS OF SUBGRID MIXTURE FRACTION-PROGRESS VARIABLE CORRELATION IN PARTIALLY PREMIXED FLAMES	FE-16 ASSESSMENT OF AN EVAPORATION MODEL IN CFD SIMULATIONS OF A FREE LIQUID POOL FIRE USING THE MASS TRANSFER NUMBER APPROACH	SC-1 COMBUSTION OF POULTRY DERIVED WASTES FOR SMART ENERGY RECOVERY IN ITALY	NCC-9 BTC-BASED METAL-ORGANIC FRAMEWORKS: CORRELATION BETWEEN RELEVANT STRUCTURAL FEATURES AND CO ₂ ADSORPTION PERFORMANCES
	<i>Z. X. Chen; N. A. K. Doan; S. Ruan; I. Langella; N. Swaminathan</i>	<i>J. F. Pérez Segovia; T. Beji; B. Merci</i>	<i>C. Allouis; S. Cimino; R. Nigro</i>	<i>V. Gargiulo; M. Alfè; F. Raganati; L. Lisi; R. Chirone; P. Ammendola</i>
11:20 am	TC-32 SOOT EMISSION RADIATION-TURBULENCE INTERACTIONS IN DIFFUSION JET FLAMES	FE-17 A COMPUTATIONAL FLUID DYNAMIC INVESTIGATION OF INHOMOGENEOUS HYDROGEN FLAME ACCELERATION AND TRANSITION TO DETONATION	SC-2 MODELLING OXY-PYROLYSIS OF SEWAGE SLUDGE IN A ROTARY KILN REACTOR	NCC-10 A THERMOPHYSICAL APPROACH TO THE IGNITION OF PARTICLES, SUSPENSIONS, AND AGGLOMERATES
	<i>F. Nmira; D. Burot; J. L. Consalvi</i>	<i>R. Khodadadi Azadboni; J. Wen; A. Heidari</i>	<i>C. Tregambi; F. Montagnaro; P. Salatino; R. Sollimene</i>	<i>M. J. Soo; X. C. Mi; S. G. Goroshin; J. M. Bergthorson</i>

THU. 21	TC	FE	SC	NCC
11:40 am	<p>TC-33</p> <p>APPLICATION OF THE EULERIAN SUBGRID PROBABILITY DENSITY FUNCTION METHOD IN THE LARGE EDDY SIMULATION OF A PARTIALLY PREMIXED SWIRL FLAME</p>	<p>FE-18</p> <p>EXPERIMENTAL STUDY OF BURNING BEHAVIOURS OF LIQUID POOL FIRES IN A CORRIDOR-LIKE ENCLOSURE</p>	<p>SC-3</p> <p>POWER GENERATION BY STIRLING ENGINE DURING FLUIDIZED BED COMBUSTION OF WOOD PELLETS</p>	<p>NCC-11</p> <p>EFFECT OF USING MODULAR STRUCTURE ON HYDROGEN-AIR COMBUSTION CHARACTERISTICS IN A NOVEL MICRO COMBUSTOR</p>
	<p><i>D. Fredrich; A. J. Marquis; W. P. Jones</i></p>	<p><i>K. Chotzoglou; J. Zhang; M. A. Delichatsios; E. K. Asimakopoulou</i></p>	<p><i>M. Urciuolo; R. Chirone; F. S. Marra; R. Solimene</i></p>	<p><i>A. Alipoor; M. H. Saidi</i></p>
12:00 pm	<p>TC-34</p> <p>INTERACTIONS BETWEEN MIXING, FLAME PROPAGATION, AND IGNITION IN NON-PREMIXED TURBULENT FLAMES</p>	<p>FE-19</p> <p>EXPLOSION BEHAVIOR OF N-DODECANE IN AIR</p>		<p>NCC-12</p> <p>SUPERCRITICAL WATER AS A MEDIUM FOR FLAME GENERATION FROM N-PROPANOL AND METHANOL BLENDED FUEL MIXTURE</p>
	<p><i>X. Wang; V. Robin; A. Mura</i></p>	<p><i>V. Di Sarli; F. Cammarota; E. Salzano; A. Di Benedetto</i></p>		<p><i>S. Nanda; S. N. Reddy; J. A. Kozinski; M. C. Hicks; U. G. Hegde</i></p>
12:20 pm	<p>TC-35</p> <p>LARGE EDDY SIMULATION OF BLUFF-BODY STABILISED PREMIXED FLAMES USING FLAMELETS</p>	<p>FE-20</p> <p>DUST EXPLOSION HAZARDS IN THE TEXTILE INDUSTRY</p>		<p>CD-1</p> <p>A NEW METHOD TO COMPUTE THE RADIANT CORRECTION OF BARE-WIRE THERMOCOUPLES</p>
	<p><i>J. C. Massey; I. Langella; S. Ruan; N. Swaminathan</i></p>	<p><i>L. Marmo; E. Danzi</i></p>	<p><i>C. R. Shaddix</i></p>	
12:45 pm	Lunch break			

THU. 21

2:20 pm	PARALLEL SESSIONS			
	Aula Magna Massimilla Chair: A. Parente	Aula C Chair: A. Di Benedetto	Aula D Chair: N. Sebbar	Aula Bobbio Chair: J.M. Bergthorson
2:20 pm	<p>TC-36 DYNAMICAL SYSTEM ANALYSIS OF A TURBULENT PREMIXED PLANAR HYDROGEN FLAME IN THE CORRUGATED FLAMELETS COMBUSTION REGIME</p>	<p>FE-21 A SEMI-PHYSICAL MODEL OF THE VEGETATION BURNING IN FOREST FIRE PROPAGATION TOOLS</p>	<p>RK9 EXPERIMENTAL STUDY OF THE EFFECT OF H₂O ON PROPANE OXIDATION IN A JET STIRRED FLOW REACTOR</p>	<p>NCC-13 TWO-DIMENSIONAL DIFFUSION MODEL OF FINGERING INSTABILITY IN SMOLDER COMBUSTION OF THIN SOLID FUEL</p>
	<p><i>E.-Al. Tingas; R. Malpica Galassi; P. P. Ciottoli; N. Mukhadiyev; H. G. Im; M. Valorani</i></p>	<p><i>F. Giannino; L. Russo; M. Sirignano; M. D'Aquino; F. Rego</i></p>	<p><i>M. Lubrano Lavadera; P. Sabia; M. de Joannon; A. Cavaliere; R. Ragucci</i></p>	<p><i>S. A. Rashkovskiy</i></p>
2:40 pm	<p>TC-37 A THICKENED STOCHASTIC FIELDS APPROACH FOR TURBULENT COMBUSTION SIMULATION</p>	<p>FE-22 EXPERIMENTAL DATA AND NUMERICAL ANALYSIS OF BIODIESEL POOL FIRE</p>	<p>RK-10 MODEL REDUCTION OF PREMIXED GAS FLAMES VIA POD-GALERKIN METHOD</p>	<p>NCC-14 A SURROGATE FUEL FORMULATION PROCEDURE USING ONE DIMENSIONAL HEATING AND EVAPORATION MODEL TO MATCH PHYSICAL AND CHEMICAL PROPERTIES OF LIGHT NAPHTHA</p>
	<p><i>M. A. Picciani; E. S. Richardson; S. Navarro-Martinez</i></p>	<p><i>A. Chaudhary; A. Gupta; S. Kumar; R. Kumar</i></p>	<p><i>G. Aversano; K. Bizon; G. Continillo; L. Russo</i></p>	<p><i>A. Elwardany; I. Kabil; J. A. Badra; J. Sim; M. Jaasim; Y. Eldrainy; W. Abdelghaffar; H. G. Im</i></p>
3:00 pm	<p>TC-38 WIDTH OF DIFFUSION LAYERS IN TURBULENT FLOW</p>	<p>FE-23 MATHEMATICAL MODELLING OF CROWN FOREST FIRES SPREAD AND INTERACTIONS</p>	<p>RK-11 INVESTIGATION OF NA*, K*, AND CA* FLAME EMISSION DURING THE SINGLE BIOMASS PARTICLE COMBUSTION</p>	<p>NCC-15 EXPERIMENTAL STUDY OF A FLAMELESS COMBUSTION WITH PREHEATED AIR AND HIGH RECIRCULATION</p>
	<p><i>A. A. Burluka</i></p>	<p><i>V. A. Perminov</i></p>	<p><i>N. Striugas; M. Sadeckas</i></p>	<p><i>E. Azimizadeh; R. Abdollahi</i></p>

THU. 21	TC	FE	NCC
3:20 pm	<p align="center">TC-39</p> <p align="center">NUMERICAL STUDY ON COMBUSTION STRUCTURE IN A CAVITY-BASED SUPERSONIC COMBUSTOR</p>	<p align="center">FE-24</p> <p align="center">NUMERICAL SIMULATION OF DETONATION OF SUSPENDING ALUMINUM DUST IN AIR IN SPACE WITH CHANNEL CONNECTION</p>	<p align="center">NCC-16</p> <p align="center">IMPROVED HYDROGEN-NATURAL GAS COMBUSTION: A TECHNICAL REVIEW</p>
	<p align="center"><i>H. B. Wang; M.B. Sun; C. Y. Liu; P. B. Li</i></p>	<p align="center"><i>H. Tao; Z. Wentao; D. Hefei</i></p>	<p align="center"><i>M. Pourramezan; S. I. Pishbin; S. Pakseresht</i></p>
3:40 pm	Farewell / end of the conference		

Work in Progress Posters

- WIP 1:** BEHAVIOUR OF LASER INDUCED INCANDESCENCE WITH HIGH FLUENCE LONG LASER PULSE DURATION, *M. Ditaranto; S. Hverven*
- WIP 2:** HIGH-SPEED PLANAR LASER-INDUCED FLUORESCENCE IN A GLIDING ARC, *P. Stamatoglou; Z. Wang; J. Gao; C. Kong; A. Ehn; M. Richter*
- WIP 3:** FLUORESCENCE VIZUALISATION IN W/O EMULSIONS, *O. Moussa; D. Tarlet; P. Massoli; J. Bellettre*
- WIP 4:** SINGLE – SHOT TWO PHOTON LASER INDUCED FLUORESCENCE IMAGING OF ATOMIC HYDROGEN IN CH₄/AIR FLAME, *M. Ruchkina; J. Bood*
- WIP 5:** INVESTIGATION OF HEATED AND COLD CARBONACEOUS NANOPARTICLES OPTICAL PROPERTIES, *F. Migliorini; S. De Iulii; R. Dondè; G. Zizak*
- WIP 6:** A MODEL CONCERNING THE CHAOS THEORY FOR OPTIMIZING THE FUEL MIXTURE FOR THE FEEDING OF A GAS TURBINE, *C. Allouis; A. Amoresano; G. Langella; V. Niola; G. Quaremba*
- WIP 7:** CHARACTERIZATION OF GAS TURBINE BURNER INSTABILITIES BY WAVELET ANALYSIS OF INFRARED IMAGES, *C. Allouis; A. Amoresano; G. Langella; V. Niola; G. Quaremba; S. Rizzo*
- WIP 8:** IGNITION DELAY MEASUREMENTS OF GCI BLEND, *M. AlAbbad; A. Farooq*
- WIP 9:** EULERIAN-LAGRANGIAN LES-PDF SIMULATION OF A PRESSURE SWIRL SPRAY FLAME, *G. Tretola; S. Gallot-Lavallée; S. Navarro-Martinez*
- WIP 10:** PARAMETRIC STUDY OF MICRO-EXPLOSION OCCURRENCE OF W/O EMULSIONS, *O. Moussa; D. Verna; D. Tarlet; P. Massoli; J. Bellettre*
- WIP 11:** DESIGN OF LOW-EMISSION CATALYTICALLY STABILIZED COMBUSTION CHAMBER CONCEPT, *A. Basavaraju; A. Marn; F. Heitmeir*
- WIP 12:** FROM AGRICULTURAL WASTES TO ADVANCED SORBENT MATERIALS FOR CO₂ CAPTURE: ADVANTAGES AND SHORTCOMINGS OF CARBONIZED RICE HUSK, *V. Gargiulo; A. Zhmagaliyeva; P. Ammendola; F. Raganati; Ye. Doszhanov; M. Jumabayev; Z. Mansurov; R. Chirone; M. Alfe*
- WIP 13:** ASSESSMENT OF STEADY AND UNSTEADY FLAMELET MODELS FOR MILD COMBUSTION MODELING, *F. Chitgarha*
- WIP 14:** CHEMCONNECT: DATA REPOSITORY WITH INTERCONNECTED SEARCHABLE NETWORK OF COMBUSTION DATA, *E. S. Blurock*
- WIP 15:** IS CARBON SEQUESTRATION A POSSIBLE APPLICATION OF BIOCHAR?, *V. Gargiulo; C. O. Ania; A. Gomis Berenguer; P. Giudicianni; R. Ragucci; M. Alfè*
- WIP 16:** MODELING ISSUES FOR A CYCLONIC BURNER UNDER MILD COMBUSTION CONDITIONS USING THE FGM APPROACH, *G. Ceriello; G. Sorrentino; P. Sabia; M. de Joannon; R. Ragucci; A. Cavaliere*
- WIP 17:** DEVELOPMENT OF ADSORPTION-BASED POST-COMBUSTION CO₂ CAPTURE PROCESSES, *M.G. Plaza; F. Rubiera; C. Pevida*
- WIP 18:** ENHANCEMENT OF METHANE PRODUCTION DURING BIOCHAR-ASSISTED ANAEROBIC DIGESTION, *C. Florio; P. Giudicianni; S. Dumontet; V. Pasquale; R. Ragucci; G. Toscano; D. Pirozzi*
- WIP 19:** ENERGY AND MATTER RECOVERY THROUGH SOLAR ASSISTED PYROLYSIS OF BIOMASS, *P. Giudicianni; R. Ragucci; R. Li; G. Flamant*
- WIP 20:** AN EXPERIMENTAL AND NUMERICAL STUDY OF LIFTED FLAME WITH THE STRETCH IN SIMULATED SNG FUEL, *S. G. Kim; K. M. Lee*
- WIP 21:** NUMERICAL INVESTIGATION OF TRANSFER FUNCTION MODELS OF A LAMINAR PREMIXED FLAME USING FREQUENCY RESPONSE ANALYSIS, *M. Sahafzadeh; S. B Dworkin; L. W Kostiuik*
- WIP 22:** CHEMICAL REACTORS NETWORK MODELLING IN CLOSE TO REALITY COMBUSTION SYSTEMS, *M. A. Agizza; S. Bürkle; L. G. Becker; M. Greifenstein; G. Bagheri; A. S. Doost; T. Faravelli; J. Janicka; S. Wagner; A. Dreizler*

- WIP 23:** LARGE EDDY SIMULATION OF THE SANDIA FLAME_D APPLYING THE FLAMELET PROGRESS VARIABLE APPROACH, *R. Mahmoud; A.Sadiki; J. Janicka; B. Fiorina*
- WIP 24:** A-PRIORI ANALYSIS OF LES/EDC COMBUSTION MODEL, *A. Shamooni; A. Cuoci; T. Faravelli,*
- WIP 25:** ASSESSMENT OF MODELLING PARAMETERS IN LES-ESF COMPUTATIONS OF A SPRAY AUTO-IGNITION IN A TEMPORALLY EVOLVING MIXING LAYER, *L. Kuban; J. Stempka*
- WIP 26:** SIMULATIONS OF UNDERWATER EXPLOSION PHENOMENA, *A. Gavrikov, N. Zaretskiy, A. Aleksandrov, A. Efimenko, S. Privezentzev, V. Alekseev and K. Makarov*
- WIP 27:** NON-INTRUSIVE FLAME IMAGING FOR THE DIAGNOSIS OF INDUSTRIAL COMBUSTION SYSTEMS, *C. Gonzalo-Tirado; A. González-Espinosa; A. Gil; C. Herce; M. Gil; F. Molinés*
- WIP 28:** DEVELOPMENT OF NI/MGO BASED CATALYTIC PELLETS FOR CONVERSION OF ETHANOL INTO BUTANOL, *L. Lisi; S. Cimino; S. Romanucci*
- WIP 29:** LAMNO₃ AS METHANE COMBUSTION CATALYST: THE EFFECT OF PALLADIUM AND TIN ADDITION, *V.P.G. Santos; A.C.N. da Silva; M. de S. Santos; R. Frety; S.T. Brandão*
- WIP 30:** CRACKS AND FRAGMENTATIONS OF WOOD DURING PYROLYSIS AND GASIFICATION, *K. Kwiatkowski*
- WIP 31:** REDOX CHARACTERIZATION OF LANI₁-XCOX₃ OXIDES FOR CHEMICAL LOOPING PROCESS, *M. S. Santos; L. Lisi; S. Brandaó; S. Cimino*
- WIP 32:** FUEL-DEPENDANCE OF FLAME DESCRIBING FUNCTION OF A SWIRL-STABILIZED PREMIXED FLAME, *F. Di Sabatino; D. A. Lacoste; W. L. Roberts*
- WIP 33:** EXTENSION OF TABULATION TECHNIQUE TO SOOT FORMATION SIMULATION, *A.L. Bodor; B. Franzelli; A. Cuoci*
- WIP 34:** MODELING THE PYROLYSIS OF XYLAN IN PRESENCE OF ASH, *A.I. Ferreira; M. Rabaçal; M. Costa; P. Giudicianni; V. Gargiulo; M. Alfê; R. Ragucci*
- WIP 35:** PAH AND SOOT EVOLUTION AT PRESSURE IN A LAMINAR COFLOW DIFFUSION FLAME, *A. M. Bennett; W. L. Roberts*
- WIP 36:** NATURE AND ORIGIN OF OXYGEN COMPOUNDS IN BIOMASS COMBUSTION EMISSIONS, *K.D Bartle; J.M. Jones; A.R. Lea-Langton; E.J.S. Mitchell; A. Williams*
- WIP 37:** MEASUREMENT OF SOOT CONCENTRATION IN A COUNTERFLOW DIFFUSION FLAME USING OPTICAL DIAGNOSTIC UP TO 10 ATM, *H. M.F. Amin; A. Bennet; T. F. Guiberti; W. L. Roberts*
- WIP 38:** SOOT FORMATION IN PYROLYSIS OF THE MIXTURES OF ACETYLENE WITH METHANE, *A. Eremin; A. Kiverin; E. Mikheyeva; I. Selyakov*
- WIP 39:** NUMERICAL STUDY OF SOOT CONCENTRATION IN CO -FLOW LAMINAR FLOW LAMINAR ETHYLENE-AIR DIFFUSION FLAMES AT ELEVATED PRESSURES, *A. Mansouri; S. B. Dworkin*
- WIP 40:** SHOCK WAVE AND THEORETICAL MODELING STUDY OF THE DISSOCIATION OF CH₂F₂ AND THE REACTION CF₂ + H₂, *L. Sölter; E. Tellbach*
- WIP 41:** SHOCK TUBE STUDY AND MODELING OF ETHANOL AND BUTANOL IGNITION KINETICS, *A. Emelianov; A. Eremin; N. Matveeva; E. Mikheyeva*
- WIP 42:** EXPERIMENTAL STUDY ON THE EFFECT OF FURAN OXIDATION ON NOX FORMATION IN LOW PRESSURE FLAMES, *L. Giarracca; S. Gosslin; L. Gasnot; N. Lamoureux; P. Desgroux*
- WIP 43:** IGNITION DELAY TIME CORRELATION OF GASOLINE FUELS, *M. AlAbbad; A. Farooq*

GENERAL INFORMATION

Conference dates

September 17-21, 2017

Napoli, Italy

Conference venue

School of Polytechnic and Basic Sciences, College of Engineering

P.le V. Tecchio, 80, 80125 Napoli, Italy

On-site secretariat (First Floor)

September 18, Monday 08:00-18:30

September 19, Tuesday 08:30-11:00

September 20, Wednesday 08:30-18:30

September 21, Thursday 08:30-16:00

Conference badge

Everyone is kindly requested to wear his/her name badge during the Conference as it provides access to the scientific sessions, lunches, coffee breaks and excursion on September 19.

Lunches and coffee breaks

Coffee breaks and lunches will be served during the conference days according to the program timetable at the Biblioteca F. Gasparini located at the 2th floor.

Internet

Free Wireless internet access will be available at the conference venue.

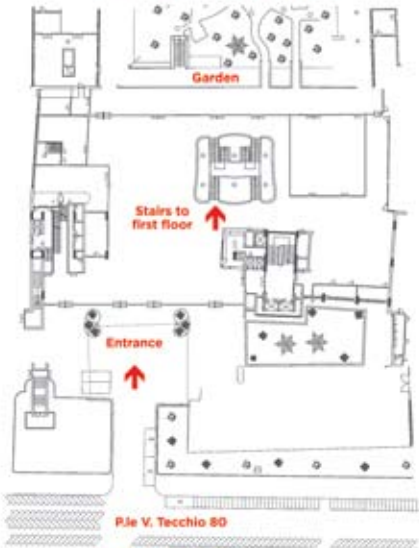
Symposium rooms

The symposium rooms will be the following:

Aula Magna Massimilla and Aula Bobbio located on the first floor

Aule C, D, E located on the second floor

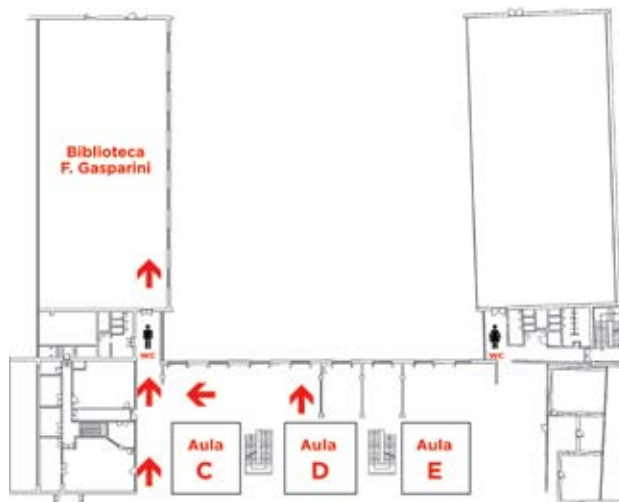
SCHOOL OF POLYTECHNIC AND BASIC SCIENCES
GROUND FLOOR



FIRST FLOOR



SECOND FLOOR



SOCIAL PROGRAMME

Get Together Cocktail

Date and time: Sunday, September 17 / 6:30 p.m. – 8:30 p.m.

Venue: Castel dell'Ovo

Address: Borgo Marinari (Via Eldorado), Naples

Dress code: smart casual

Transportation will not be provided.



Excursion

Date and time: Tuesday, September 19 / 11:00-22:00

Program:

11:00 – Departure from the Symposium Venue to the archaeological area of Baia

13:30 – Lunch at the Historical Manor House Torre Sanseverino in Licola

16:00 – Visit of the archaeological area of Cuma

18:00 – Return to Naples (meeting points in P.le Tecchio and P.zza Vittoria)



Social Dinner

Date and time: Wednesday, September 20 / 20:30-23:00

Venue: D'Angelo Restaurant

Address: Via Aniello Falcone, 203 – Napoli

Additional tickets can be purchased at the secretariat desk by September 18 at h. 12:00, upon availability of places. The price of the ticket is € 70,00

Dress code: Casual

Transportation will be provided from the Meeting Points.

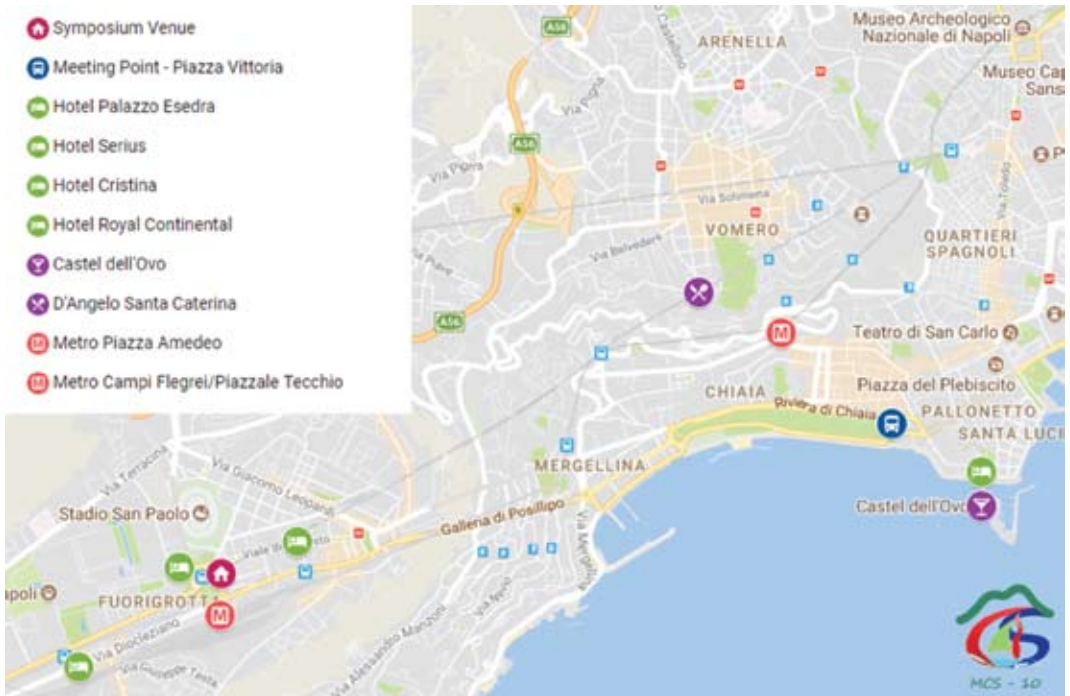


HOW TO REACH THE CONFERENCE VENUE

The best way to reach the conference venue is the underground line 2 with stop at the Campi Flegrei Station. A public bus transportation service is available throughout the city.

Find your route to the Conference Venue at the following website: www.anm.it. On the same website information and maps of Undergrounds, Buses, Cable Cars are available.

Several taxi companies are available from taxi stations throughout the city and at the following phone numbers: 081 202020 – 081 5707070 – 081 5666666.



SHUTTLE BUSES AND MEETING POINTS

A shuttle bus service will be provided during the Symposium days by the Symposium Organization as follows:

	September 17	September 18	September 19	September 20	September 21
Piazza Vittoria to Symposium Venue	no shuttle service	h. 07:30	h. 8:00	h. 08:15	h. 08:15
Symposium Venue to Piazza Vittoria		h. 18:30 (end of the Symposium)		h. 18:30 (end of the Symposium)	h. 16:00 (end of the Symposium)
		SOCIAL PROGRAMME			
Piazza Vittoria to Social Dinner				h. 20:00	
Symposium Venue to Social Dinner				h. 20:00	
Social Dinner to Piazza Vittoria				h. 23:00 (end of the dinner)	
Social Dinner to Symposium Venue				h. 23:00 (end of the dinner)	
Departure for Excursion from the Symposium Venue				h. 11:00	
Return from the Excursion to Piazza Vittoria and Symposium Venue				h. 21:00	

M.B.: The meeting point in Piazza Vittoria is in front of Marinella shop – corner with Via Riviera di Chiaia 287.



