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**INTERNATIONAL
CONFERENCE ON SMART
ENERGY CARRIERS**

21–23 JANUARY 2019
NAPOLI, ITALY

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PROCEEDINGS

Monday 21 st - Session I: Oxygenated Fuels	
High Pressure Oxidation of Alternative Fuels for Diesel Engines	I-1
H. Hashemi, J. M. Munkholdt, P. Glarborg	
DTU Chemical Engineering, Technical University of Denmark, Lyngby, Denmark	
Impact of the Blending of n-Butanol on the Low and Intermediate Temperature Heat Release of a Gasoline Surrogate	I-2
A.S. Tomlin ¹ , I. Gorbatenko ^{1,2,3} , C. Michelbach ^{1,4}	
1. School of Chemical and Process Engineering, University of Leeds, UK 2. School of Mechanical Engineering, University of Leeds, UK, 3. EPSRC CDT in Fluid Dynamics, University of Leeds, UK 4. EPSRC CDT in Bioenergy, University of Leeds, UK	
Measurements of Laminar Burning Velocities and NO Concentration in Neat and Blended Ethanol and n-Heptane Flames	I-3
M. Lubrano Lavadera, C. Brackmann, G. Capriolo, T. Methling, A.A. Konnov	
Division of Combustion Physics, Lund University, Sweden	
The Pyrolysis of Resorcinol: Search for Direct CO ₂ Pathways	I-4
H.-H. Carstensen ^{1,2} , D.C. Vargas ² , D.A. Streitwieser ³ , K.M. Van Geem ² , G.B. Marin ² , M.U. Alzueta ⁴	
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Insights on the Effect of Ethanol on the Formation of Aromatics	I-5
Qi Wang ¹ , A. Violi ^{1,2}	
1. Department of Mechanical Engineering, University of Michigan, Ann Arbor, USA 2. Departments of Chemical Engineering, University of Michigan, Ann Arbor USA	
Experimental and Modeling Study of the Oxidation of Benzaldehyde	I-6
S. Namysl ¹ , M. Pelucchi ² , O. Herbinet ¹ , A. Stagni ² , T. Faravelli ² , F. Battin-Leclerc ¹	
1. Laboratoire Réactions et Génie des Procédés - CNRS, Nancy, France 2. Dipartimento Chimica, Materiali, Ingegneria Chimica, Politecnico di Milano, Italy	
NO _x Formation in Low-pressure Flames of Oxygenated Cyclic Ether Compounds	I-7
N. Lamoureux, L. Giarracca, L. Gasnot, P. Desgroux	
lab. PC2A, Université de Lille, UMR8522/CNRS, France	
Combined Molecular Beam and Theoretical Studies on the Oxidation of Unsaturated Aliphatic and Aromatic Hydrocarbons: Primary Products and Branching Ratios	I-8
P. Casavecchia ¹ , A. Caracciolo ¹ , P. Recio Ibañez ¹ , N. Balucani ¹ , C. Cavallotti ²	
1. Dipartimento di Chimica, Biologia e Biotecnologie, Università di Perugia, Italy. 2. Politecnico di Milano, Dipartimento Chimica, Materiali, Ingegneria Chimica, Italy	
Automatic Mechanism Generation for Auto-ignition of the Promising e-Fuels Oxymethylene Ethers (OMEn, n = 2-4)	I-9
L. Cai ¹ , S. Jacob ² , F. vom Lehn ¹ , R. Langer ¹ , K.A. Heufer ² , H. Pitsch ¹	
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Monday 21st - Session II: New and Smarter Processes and Technologies

Monday 21 st - Session II: New and Smarter Processes and Technologies	
Innovative Approach for Improved Modelling Accuracy in Case of 3D CFD Sewage Sludge Combustion Simulations	II-1
A. Žnidarčič, T. Seljak, T. Katrašnik	
LICeM Laboratory, Department of Energy Engineering, Faculty of Mechanical Engineering, University of Ljubljana, Slovenia	
Fluidized Bed Sorption-enhanced Methanation by CaO	II-2
A. Coppola ¹ , F. Massa ¹ , P. Salatino ^{1,2} , F. Scala ^{1,2}	
1. Dipartimento di Ingegneria Chimica, Materiali e Produzione industriale, Università Federico II Napoli, Italy	
2. Istituto di Ricerche sulla Combustione - C.N.R., Napoli, Italy	
Experimental Investigation of Lean Premixed Combustion with Exhaust Gas Recirculation in a Swirl-Stabilized Turbine Burner	II-3
S. Giorgetti ^{1,2} , W. De Paepe ² , L. Bricteux ² , F. Contino ³ , J. Klingmann ⁴ , A. Parente ¹	
1. Université Libre de Bruxelles (ULB), Belgium	
2. Université de Mons, Belgium	
3. Vrije Universiteit Brussel (VUB), Belgium	
4. Lund University, Sweden	
Turbulence-chemistry Interaction Modelling with Extended Eddy Dissipation Concept and Partially Stirred Reactor in MILD Combustion Regime	II-4
M.T. Lewandowski ¹ , Z. Li ² , A. Parente ² , J. Pozorski ¹	
1. Institute of Fluid Flow Machinery, Polish Academy of Sciences, Gdańsk, Poland	
2. Aero-Thermo-Mechanics Laboratory, Université Libre de Bruxelles, Belgium	
Alternative Storage of Hydrogen: Robust Design Optimization of A Standalone Wind-powered Ammonia Plant	II-5
K. Verleysen ¹ , D. Coppitters ¹ , A. Parente ² , W. De Paepe ³ , F. Contino ¹	
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2. Université Libre de Bruxelles, Belgium	
3. Université de Mons, Belgium	

Tuesday 22nd - Session III/1: Non-carbon Fuels

Auto-ignition Kinetics of Ammonia/Hydrogen Mixtures at Intermediate Temperatures and High Pressures		III-1
X. He ¹ , B. Shu ¹ , K. Moshhammer ¹ , M. Costa ² , R.X. Fernandes ¹		
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Experimental and Numerical Study of Premixed Ammonia-Methane-Air Flames		III-2
C. F. Ramos ¹ , R. C. Rocha ¹ , P. M. R. Oliveira ¹ , M. Costa ¹ , X.-S. Bai ²		
1. IDMEC, Mechanical Engineering Department, Instituto Superior Técnico, Lisboa, Portugal 2. Division of Fluid Mechanics, Lund University, Sweden		
Modeling for Nitromethane Oxidation		III-3
K. Prasad Shrestha ¹ , L. Seidel ² , T. Zeuch ³ , F. Mauss ¹		
1. Thermodynamics and Thermal Process Engineering, Brandenburg University of Technology, Cottbus, Germany 2. Lund Combustion Engineering, LOGE Germany 3. Institut für Physikalische Chemie, Georg-August-Universität, Göttingen, Germany		
Fuel Derived Methylidyne Radical Reactions with Ammonia and Substituted Amines Probed by Synchrotron VUV Photoionization Mass Spectrometry		III-4
J. Bourgalais ¹ , K. Caster ² , O. Durif ³ , D. Osborn ⁴ , S. D. Le Picard ³ , F. Goulay ²		
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An Experimental and Kinetic Modeling Study of NH ₃ Oxidation in a Jet Stirred Reactor		III-5
A. Stagni ¹ , Y. Song ² , O. Herbinet ² , F. Battin-Leclerc ² , T. Faravelli ¹		
1. Dipartimento di Chimica, Materiali e Ing. Chimica “G. Natta” – Politecnico di Milano, Italy 2. Laboratoire Réactions et Génie des Procédés - CNRS, Nancy, France		
Combustion of NH ₃ -CH ₄ -air and NH ₃ -H ₂ -air Mixtures in a Porous Burner: Experiments and Kinetic Modeling		III-6
R. C. Rocha ¹ , C. F. Ramos ¹ , M. Costa ¹ , X.-S. Bai ²		
1. IDMEC, Mechanical Engineering Department, Instituto Superior Técnico, Lisboa, Portugal 2. Division of Fluid Mechanics, Lund University, Sweden		
Experimental and Modeling Study of CH ₄ /H ₂ S Oxidation at High Pressures		III-7
J.M. Colom-Díaz, M. Abián, Á. Millera, R. Bilbao, M.U. Alzueta		
Department of Chemical and Environmental Engineering, University of Zaragoza - Spain		

Tuesday 22nd - Session III/2: Non-carbon Fuels

Tuesday 22 nd - Session III/2: Non-carbon Fuels	
Experimental Study of Laminar Burning Velocities of Ammonia/Hydrogen/Air Mixtures at Elevated Temperatures	III-8
C. Lhuillier ¹ , P. Brequigny ¹ , F. Contino ^{2,3} , C. Mounaïm-Rousselle ¹	
1. PRISME Laboratory, Université d'Orléans, France 2. Thermo and fluid dynamics (FLOW), Vrije Universiteit Brussel, Belgium 3. Combustion and Robust Optimization Joint Research Group, VUB-ULB, Brussels, Belgium	
How to Improve Kinetic Mechanism for Hydrogen Combustion	III-9
A.A. Konnov	
Division of Combustion Physics, Lund University, Sweden	
Novel Humidified Ammonia/Hydrogen Gas Turbine Cycles	III-10
M. Guteša-Božo ¹ , A. Valera-Medina ²	
1. Termoinžinjeri d.o.o., Research and Development Department, Zrenjanin, Serbia 2. Cardiff University, United Kingdom	
Determination of the Rate Parameters of N/H/O Elementary Reactions Based on H ₂ /O ₂ /NO _x Combustion Experiments	III-11
M. Kovács, T. Varga, C. Olm, Á. Busai, R. Pálvölgyi, I. Gy. Zsély, T. Turányi	
Institute of Chemistry, ELTE Eötvös Loránd University, Budapest, Hungary	
Experimental Investigation of Stabilization and Emission Characteristics of Ammonia/air Combustion in MILD Combustion	III-12
G. Sorrentino ¹ , P. Sabia ² , P. Bozza ² , R. Ragucci ² , M. de Joannon ²	
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Tuesday 22nd - Session IV: Bio-derived Fuels

Tuesday 22 nd - Session IV: Bio-derived Fuels	
Development of TDLAS-Based Diagnostics for Combustion of Preheated Lean Dimethyl Ether/Air Mixtures	IV-1
V. Nevrlý ¹ , P. Bitala ¹ , V. Klečka ¹ , Z. Zelinger ² , M. Dostál ^{1,2} , V. Válek ¹ , J. Suchánek ² , M. Vašínek ³ , T. Blejchař ⁴ , J. Wild ⁵	
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Neutron Imaging-based Investigations of Carbon and Hydrogenous Gas-release Dynamics and Interactions During Pyrolysis and Combustion of Woody Biomass	IV-2
F. Ossler ¹ , L.J. Santodonato ² , J.M. Warren ³ , C.E.A. Finney ⁴ , J.-C. Bilheux ² , R.A. Mills ² , H.D. Skorpenske ² , D.P. Armitage ² , L.L. Daemen ² , A.J. Ramirez-Cuesta ² , H.Z. Bilheux ²	
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Experimental Analysis of Minimum Ignition Temperature of Selected biomasses	IV-3
L. Medic Pejic ¹ , M. Larrad-Moreno ¹ , J. García Torrent ^{1,2} , B. Castells Somoza ¹	
1. Department of Energy and Fuels, UPM Technical University of Madrid, Spain 2. Laboratorio Oficial Madariaga, UPM Technical University of Madrid, Spain	
Towards a Common C0-C2 Mechanism: a Critical Evaluation of Rate Constants for Syngas Combustion Kinetics	IV-4
M. Pelucchi ^{1,*} , U. Burke ² , L. Cai ³ , K. P. Somers ² , P. Glarborg ⁴ , T. Turanyi ⁵ , H. Pitsch ³ , H. J. Curran ² , T. Faravelli ¹ , S. J. Klippenstein ⁶	
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Vinasse as a Potential for Renewable Energy and Chemicals Recovery	IV-5
M.J. Dirbeba, A. Brink, L. Hupa, M. Hupa	
Johan Gadolin Process Chemistry Centre, Åbo Akademi University, Finland	

Wednesday 23rd - Session V: Fossil Fuels	
Study of Oscillations During Methane Oxidation with Species Probing	V-1
<i>Y. Song¹, A. Stagni², O. Herbinet¹, T. Faravelli², F. Battin-Leclerc¹</i>	
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Turbulent Reacting Flow Characteristics of Axisymmetric Disk Stabilized Propane Flames, with Inlet Mixture Stratification and Preheat	V-2
<i>K. Souflas, P. Koutmos</i>	
<i>Department of Mechanical Engineering and Aeronautics, University of Patras, Greece</i>	
Simulating the Flame Velocity of Methane- and n-Heptane-air Mixtures with a Reaction Mechanism for Dual Fuel Combustion and Further Mechanism Optimization by Comparison with Experimental Data	V-3
<i>S. Schuh, F. Winter</i>	
<i>Institute of Chemical, Environmental and Bioscience Engineering, Technische Universität Wien, Austria</i>	
Evaporation of Multicomponent Fuel Droplets in Buoyancy Driven Convection	V-4
<i>A. E. Saufi, E.a Colombo, A. Frassoldati, T.o Faravelli, A. Cuoci</i>	
<i>Politecnico di Milano, Dipartimento Chimica, Materiali, Ingegneria Chimica, Italy</i>	

Poster Session I	
PI-1	An Experimental Study on MILD Combustion of alcohols in a Cyclonic Burner
	<i>P. Bozza¹, G. Sorrentino², P. Sabia¹, R. Ragucci¹, M. de Joannon¹</i>
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PI-2	Measurements of the Laminar Burning Velocities of Ethanol-Water-Air Flames
	<i>L. van Treenk¹, M. Lubrano Lavadera², A. A. Konnov², L. Seidel³, F. Mauss¹</i>
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PI-3	Testing Several Butanol Combustion Mechanisms Against a Large Set of Experimental Data and Investigation of Thermochemical Data Inconsistency
	<i>M. Bolla¹, C. Olm¹, T. Nagy², I. Gy. Zsély¹, T. Turányi¹</i>
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PI-4	Combustion Characteristics of Synthetics Fuels: Determination of the Laminar Burning Velocity of OME 1
	<i>S. Eckart, C. Krasselt, H. Krause</i>
	<i>Institute of Thermal Engineering, TU Bergakademie Freiberg, Germany</i>
Poster Session II	
PII-1	Flowfield Features of Cyclonic Patterns for MILD Combustion Technologies
	<i>M. Agrillo¹, G. Sorrentino², C.E. Frouzakis³, R. Ragucci¹</i>
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PII-2	CHEMCONNECT: Intelligent Repository Backed by a Knowledge Base Combustion Related Concepts
	<i>E.S. Blurock</i>
	<i>Blurock Consulting AB, Lund, Sweden</i>
PII-3	Flow, Mixing and Combustion Characteristics of a Stratified Bluff Body Burner, Interacting With a Co-annular Swirl Induced Recirculation
	<i>E. Dogkas, P. Koutmos</i>
	<i>Laboratory of Applied Thermodynamics, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece</i>
PII-4	Further Application of the Fast Tabulated CPV Approach
	<i>A. Werner¹, A. Matrisciano^{2,3}, C. Netzer¹, H. Lehtiniemi², A. Borg^{2,3}, L. Seidel⁴, F. Mauss¹</i>
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Poster Session II	
PII-5	A Preliminary Assessment of Alternative Fuels for Marine Engines using Combustion Chemistry Tools
	G. Vourliotakis ¹ , M. A. Founti ¹ , G. Kazangas ² , L. Kaiktsis ² , G. Skevis ³
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PII-6	Process Design and techno-economic evaluation of the Organosolv-derived Lignin Pyrolysis Towards Platforms Chemicals and Biofuels
	D. Ipsakis ¹ , T. Blempoutzakis ² , S. Stephanidis ¹ , K. Kalogiannis ¹ , L. Matsakas ³ , U. Rova ³ , P. Christakopoulos ³ , A. Lappas ¹ , K. Triantafyllidis ^{1,4} , E. Heracleous ^{1,2}
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PII-7	Impact of Heat loss on the Modeling of a Cyclonic Burner with High Levels of Internal Recirculation
	G. Ceriello ¹ , G. Sorrentino ¹ , P. Sabia ² , M. de Joannon ² , R. Ragucci ² , A. Cavaliere ¹ , J. van Oijen ³ , L.P.H. deGoey ³
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Poster Session III	
PIII-1	Ammonia as an Alternative to Carbon-based Fuels: Experimental and Modeling Analysis of its Oxidation Process
	M. Abián, Á. de Goñi, Á. Millera, R. Bilbao, M.U. Alzueta
	Department of Chemical and Environmental Engineering, University of Zaragoza - Spain
PIII-2	Research and Development of Ammonia Combustion, low-NOx, Rich-lean Gas Turbine Combustor
	O. Kurata ¹ , N. Iki ¹ , T. Inoue ¹ , T. Matsunuma ¹ , T. Tsujimura ¹ , H. Furutani ¹ , M. Kawano ² , K. Arai ² , Ekenechukwu C. Okafor ³ , A. Hayakawa ³ , H. Kobayashi ³
	1. National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan 2. Toyota Energy Solutions Inc., Toyota-shi, Japan 3. Tohoku University, Sendai, Japan
PIII-3	Enabling Ammonia Utilization as a Hydrogen Carrier: Performance Assessment of Catalytic Membrane Reactors for NH3 Decomposition
	D. Koutsonikolas, G. Pantoleontos, A. Asimakopoulou, G. Skevis
	Aerosol & Particle Technology Laboratory, CPERI-CERTH, Thessaloniki, Greece
PIII-4	New insights on H2-O2 dynamic behavior. Effects of several bath gases.
	P. Sabia ¹ , M. V. Manna ^{1,2} , M. de Joannon ¹ , R. Ragucci ¹
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Poster Session III	
PIII-5	Identification of Ammonia Oxidation Regimes in JSFR Reactor. A Survey on Available Kinetic Scheme Performance
	P. Sabia ¹ , M. V. Manna ^{1,2} , M. de Joannon ¹ , R. Ragucci ¹
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PIII-6	Optimization of NH ₃ Chemical Kinetics for Low Temperature Combustion at High Pressures
	A. Bertolino ^{1,2,3} , M. Fürst ^{1,2,3} , M. Pochet ^{3,4,5} , A. Stagni ² , A. Frassoldati ² , F. Contino ^{3,5} , A. Parente ^{1,3}
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PIII-7	Effect of Chemical Kinetics and Heat Transfer in the Dynamics of MILD Hydrogen Combustion
	L. Acampora ¹ , M. Lubrano Lavadera ² , P. Sabia ¹ , R. Ragucci ¹ , M. de Joannon ¹ , F. S. Marra ¹
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Poster Session IV	
PIV-1	Particulate Matter Formation During Softwood Combustion in a Drop Tube Furnace: a Preliminary Study
	Ts. Petrova ¹ , I. Naydenova ¹ , M. Costa ²
	1. Technical University of Sofia, Sofia, Bulgaria 2. IDMEC, Instituto Superior Técnico, Lisboa, Portugal
PIV-2	Comparison of Detailed NO _x Reaction Mechanisms on Syngas Combustion Systems
	A. Gy. Szanthoffer, I. Gy. Zsély, T. Turányi
	Institute of Chemistry, ELTE Eötvös Loránd University, Budapest, Hungary
PIV-3	Gasification of Agricultural Residues and Municipal Waste (MSW) for CHP
	M. Trninic, A. Jovovic, D. Stojiljkovic, N. Manić
	Faculty of Mechanical Engineering, University of Belgrade, Serbia
PIV-4	Spontaneous Atomic Radiant Emission of K and Na During Combustion of Wood and Straw Pellets
	N. Striūgas, M. Sadeckas
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PIV-5	Experimental Investigation of Pollutant's Emissions During Solid Biofuels Combustion Under FBC Condition
	O. Sandov ¹ , I. Naydenova ² , F. Wesenauer ² , F. Nones ^{2,3} , T. Laminger ² , F. Winter ²
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PIV-6	The Future Role of Biofuel as a Energy Carrier in Construction Sector	
	A. Hamdi Tekin	
	Istanbul Arel University, Turkey	
PIV-7	Dynamic Features and Control Perspectives in Novel Hydrocarbons and Biogas Reforming Processes	
	G. Pantoleontos ¹ , D. Ipsakis ² , N.D. Vlachos ¹ , S. Lorentzou ¹ , S. Voutetakis ² , G. Skevis ¹ , A.G. Konstandopoulos ¹	
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PIV-8	Experimental Comparison on Real m-CHP Fuelled by Different Biomasses	
	M. Costa ¹ , G. Di Blasio ¹ , M.V. Prati ¹ , M.A. Costagliola ¹ , G. Ruoppolo ² , M. Urciuolo ² , D. Cirillo ³ , M. La Villetta ³ , V. Rocco ⁴ , C. Caputo ^{1,3,4} , R. Tuccillo ⁵ , G. Martoriello ^{1,2,5}	
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PIV-9	MgO Supported on Activated Carbon for Conversion of Bio-ethanol Into Butanol: Effect of MgO Load and of the Presence of Water on the Catalytic Performance.	
	J. Apuzzo, S. Cimino, L. Lisi	
	Istituto Ricerche sulla Combustione – C.N.R., Napoli, Italy	
Poster Session V		
PV-1	Mechanism reduction by necessity analysis: a gas-phase reaction mechanism of iso-octane	
	H. Serhad Soyhan ^{1,2} , H. Karadeniz ³ , C. Soruşbay ⁴	
	1. Faculty of Engineering , SA.U., Sakarya- Turkey 2. Team-SAN Co., SA.U., Sakarya- Turkey 3. Robert Bosch, Germany 4. Faculty of Mechanical Engineering , I.T.U., Istanbul- Turkey	
PV-2	Testing the Validity of a Mechanism Describing the Oxidation of Binary n-Heptane/Toluene Mixtures at Engine Operating Conditions	
	Z. Malliotakis ¹ , C. Banyon ² , K. Zhang ³ , S. Wagnon ³ , J.J.R. Henriquez ⁴ , G. Vourliotakis ¹ , C. Keramiotis ¹ , M. Founti ¹ , F. Mauss ⁴ , W.J. Pitz ³ , H. Curran ²	
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PV-3	Experimental Investigation of Cold Mixing and Flame Stabilization Downstream of a Disk Stabilizer Under Variable Fuel-air Inlet Mixture Conditions	
	G. Paterakis, G. Z. Karamountzou, P. Koutmos	
	Department of Mechanical Engineering and Aeronautics, University of Patras, Greece	
PV-4	Comparison of Methane Combustion Mechanisms Based on Shock Tube and RCM Ignition Delay Time Measurements	
	P. Zhang, I. Gy. Zsély, V. Samu, T. Turányi	
	Institute of Chemistry, ELTE Eötvös Loránd University, Budapest, Hungary	

Poster Session V

PV-5	Model Calibration for NO Formation in MILD Combustion: Sensitivity to Model Uncertainties and Feasibility of Parameter Estimations
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PV-6	Early Aggregation in the Soot Formation Region of an Ethylene Flame.
	<i>C. Russo, B. Apicella, A. Tregrossi, M. M. Oliano, A. Ciajolo</i>
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PV-7	Predictability of Existing Chemical Kinetics in MILD Combustion
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PV-8	Effect of Hydrogen Addition on MILD Combustion in an Industrial Furnace
	<i>M. Ferrarotti^{1,2,3}, S. Vicens de Cabo¹, A. Fita-Codina^{1,3}, W. de Paepe², A. Parente^{1,3}</i>
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PV-9	CFD Modelling of a Large-scale Pulverized Coal MILD-OXY Combustion Boiler
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	1. Institute of Thermal Technology, Silesian University of Technology, Gliwice, Poland 2. SINTEF Energi A.S., Trondheim, Norway
PV-10	NO Formation in Low-pressure, Premixed Laminar H₂/CH₄/CO/O₂/N₂ Flames in Presence of Benzene
	<i>M. Cafiero^{1,2}, V. Dias³, A. Stagni⁴, H. Jeanmart³, A. Coussement^{1,2}, A. Parente^{1,2}</i>
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PV-11	Reaction of Cyclopentadiene with CH(X²Π) Radicals, a New Route Toward the Formation of Benzene
	<i>O. Durif¹, K. Caster², T. Selby³, F. Goulay², S. D. Le Picard¹</i>
	1. Institut de Physique de Rennes, UMR 6251, France 2. Department of Chemistry, West Virginia University, United States 3. Department of Chemistry, University of Wisconsin, United States
PV-12	CFD Modelling and Simulation of Gaseous Fuels Combustion in Constant-volume Chamber and Direct-injection Spark-ignition Engine
	<i>C.A. Chasos</i>
	<i>Frederick University, Nicosia, Cyprus</i>
PV-13	Optimization of Methane-Hydrogen Blends in a Spark-ignition Engine Using a Quasi-dimensional Combustion Model and Genetic Algorithm
	<i>A. Paykani, C.E. Frouzakis, K. Boulouchos</i>
	<i>Aerothermochemistry and Combustion Systems Laboratory, ETH Zurich, Switzerland</i>
PV-14	Experimental error assessment of laminar flame speed measurements for optimization of chemical reaction models with PrIme
	<i>G. Walter¹, A. Mirzayeva¹, A. Kolbasseff², N. Slavinskaya²</i>
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Poster Session VI	
PVI-1	Latest Biofuel Technologies for Sustainable Tourism
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PVI-2	Correlation of Chemiluminescent Signal and Pollutant Emission of a Liquid-fueled Turbulent Swirl Burner
	G. Hidegh, V. Józsa
	Department of Energy Engineering, Faculty of Mechanical Engineering, Budapest University of Technology and Economics, Budapest, Hungary
PVI-3	Evaluation of Material Property Estimating Methods of n-Alkanes, Primary Alcohols, and Methyl Esters
	D. Csemány, I. Gujás, V. Józsa
	Department of Energy Engineering, Faculty of Mechanical Engineering, Budapest University of Technology and Economics, Budapest, Hungary
PVI-4	Theoretical and Kinetic Modeling Study of Phenol and Phenoxy Radical Decomposition to CO and C₅H₆/C₅H₅ in Pyrolysis Conditions
	L. Pratali Maffei, M. Pelucchi, T. Faravelli, C. Cavallotti
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PVI-5	Perovskite Solar Cells
	A. Abate
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PVI-6	Torrefaction as Potential Pretreatment for Biomass Saccharinification
	P. Brachi ¹ , A. Procentese ¹ , G. Ruoppolo ¹ , M. E. Russo ¹ , A. Marzocchella ² , R. Chirone ¹
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PVI-7	Insights on the Role of Secondary Tar Reactions in Soot Inception During Fast Pyrolysis of Coal
	C. Russo ¹ , O. Senneca ¹ , F. Cerciello ¹ , F. Stanzione ¹ , L. Cortese ¹ , A. Ciajolo ¹ , S. Heuer ² , V. Scherer ² , B. Apicella ¹
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PVI-8	Experimental and Kinetic Modeling Study of the Oxidation of a Biofuel Nitrogen-Containing Model Compound
	C.A.R. Pappijn ¹ , F. H. Vermeire ¹ , O. Herbinet ² , F. Battin-Leclerc ² , M. Reyniers ¹ , G.B. Marin ¹ , K.M. Van Geem ¹
	1. Laboratory for Chemical Technology, Ghent University, Belgium 2. Laboratoire Réactions et Génie des Procédés, CNRS, Nancy, France
PVI-9	Tuning the Microtexture of Carbonaceous Particles Produced by a Spark Generator System
	M. Alfè ¹ , V. Gargiulo ¹ , V. Cozzolino ¹ , P. Sabia ¹ , R. Ragucci ¹ , M. de Joannon ¹
	Istituto di Ricerche sulla Combustione - C.N.R., Napoli, Italy
PVI-10	Characteristics of Char produced by Means of Slow Pyrolysis of Residual Lignin from Bio-ethanol Production Chain
	C.M. Grottola, P. Giudicianni, R. Ragucci
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PVI-11	Chemical/physical Features of Particulate Emitted from an Heavy-Duty SI LPG Engine
	M. Alfè ¹ , V. Gargiulo ¹ , P. Napolitano ² , S. Alfuso ² , C. Beatrice ² , C. Guido ²
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PVI-12	Coal Combustion: Integrating Nitrogen and Sulfur Fraction in a Single Kinetic Mechanism
	P. Debiagi ¹ , E. Ranzi ² , T. Faravelli ² , C. Hasse ¹
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