	Monday, May 22		
08:00	**Registration**		
08:20	**Welcome and Official Opening**		
08:30-09:20	**Plenary 1** **Active Thermochemical Tables: A Divertimento in Thermochemistry for the 21st Century** Branko Ruscic, Argonne National Laboratory, USA *Chair: Margaret S. Wooldridge, University of Michigan, USA*		
	Move to parallel presentations		
	Session A1 (Illinois A/B) Chairs: Judit Zádor Phillip Westmoreland	**Session B1 (Cardinal)** Chairs: Brandon Rotavera Nabiha Chaumiex	**Session C1 (White Oak A/B)** Chairs: Ravi Fernandes Steven Pyl
09:30	A1-01 MUQ002 D. H. Bross, L. B. Harding, B. Ruscic **Partition functions for non-rigid molecules**	B1-01 COM019 S. Thion, C. Togbé, Z. Serinyel, G. Dayma, P. Dagaut **A chemical kinetic study of dibutyl-ether oxidation in a jet-stirred reactor**	C1-01 CHE001 K. Li, K. Liu, H. Lin **Catalytic combustion of lean methane assisted by electric field over Pd-Ce-Zr catalyst at low temperature**
09:55	A1-02 COM018 G. Dayma, S. Thion, M. Lailliau, Z. Serinyel, P. Dagaut **On the influence of the position of the ester function for biodiesel combustion**	B1-02 COM001 Z. Wang, B. Chen, K. Moshammer, D. M. Popolan-Vaida, D. Vuilleumier, T. Tao, L. Ruwe, E. Bräuer, N. Hansen, P. Dagaut, S. M. Sarathy **Probing cool flame intermediates from jet-stirred reactor auto-oxidation of alkanes**	C1-02 CHE002 S. P. Pyl, M. R. Harper, R. J. Quann **Heavy oil hydroconversion: Modeling composition and chemistry**
10:20	**Coffee Break**		
10:50	A1-03 GPH015 C. Cavalotti, M. Pelucchi, Y. Georgievskii, S. J. Klippenstein **From electronic structure calculations to temperature and pressure dependent rate constants: a new computational environment**	B1-03 TGP007 S. Y. Mohamed, A. C. Davis, M. J. Al Rashidi, S. M. Sarathy **High-pressure rate rules for hydroperoxyalkylperoxy radicals isomerization reaction**	C1-03 CHE003 Y. Li, Y. Wang, D. Wang **Hydrocarbon pool co-catalyst in the methanol-to-olefins reactions also causes deactivation**
11:15	A1-04 GPH032 L. Lei, M. P. Burke, **Exploring representations of multi-component pressure dependence of complex-forming reactions in mixtures**	B1-04 COM030 A. J. Eskola, I. O. Antonov, L. Sheps, R. L. Caravan, D. L. Osborn, C. A. Taatjes **Kinetic measurements and simulations of product formation in neopentane and n-pentane oxidation experiments: investigating autoignition chemistry**	C1-04 CHE005 L.-N.Wu , Z.-Y. Tian **A comparative DFT study on the CO oxidation mechanism on CuO (111), Cu_2O (111), Co_3O_4 (110), and Mn_3O_4 (110) surfaces**

	Monday, May 22 (continued)		
11:40	A1-05 TGP010 W. H. Green, A. Grinberg Dana, R. Gillis, Y. Chung, B. Slakman, R. H. West **Challenges in predicting chemical kinetics**	B1-05 COM036 Y. Zhang, A. Kéromnès, H. J. Curran **An experimental and kinetic modelling study of ethanol/DME mixtures auto-ignition**	C1-05 CHE008 R. E. Smith, K. Brezinsky, M. J. Castaldi **Elucidation of the catalytic partial oxidation of methane reaction sequence via catalytic shock tube testing**
12:05	A1-06 COM034 E. S. Blurock, M. de Joannon, G. Skevis **Towards efficient data exchange within the Combustion Community**	B1-06 COM031 K. Zhang, C. Conroy, J. Bugler, W. J. Pitz, H. J. Curran, M. Mehl, S. Wagnon, G. Kukkadapu **An experimental and kinetic modeling study of n-butylcyclohexane and its mixture with n-heptane**	C1-06 POL001 J. C. Hernández-Ortiz, P. Van Steenberge, J. N. E. Duchateau, K. Remerie, C. Toloza, A. L. Vaz, F. Schreurs, M.-F. Reyniers, G. B. Marin, D. R. D'hooge **A tracking of the complete microstructural evolution of individual polymer chains during polymer modification reactions**
12:30	**Lunch**		
14:00 14:50	**Plenary 2** **How Charge Transforms Chemical Bonds at Solid-Liquid Interfaces** Tanja Ćuk, University of California, Berkeley, USA *Chair: Kevin van Geem, University of Ghent, Belgium*		
	Move to parallel sessions		
	Session A2 (Illinois A/B) Chairs: Subith Vasu Michael Burke	**Session B2 (Cardinal)** Chairs: Franklin Goldsmith John Barker	**Session C2 (White Oak A/B)** Chairs: Arkke Eskola Luc Vereecken
15:00	A2-01 COM026 N. D. Harms, B. L. Slakman, J. Cain, R. H. West **Automated transition state theory calculations of abstraction by OOH from novel biofuels**	B2-01 GPH034 Y. Li, C.-W. Zhou, H. J. Curran **Theoretical kinetic study of H-atom addition to 1,3-butadiene and relative reactions on the C_4H_7 potential**	C2-01 TOT002 T. Frankcombe **Dissociation of methane on catalytic surfaces: 15D dynamics from DFT**
15:25	A2-02 TGP004 J. Zádor, M. D. Fellows, J. A. Miller **Initiation reactions in acetylene pyrolysis**	B2-02 COM009 C. Huang, B. Yang, F. Zhang **Initiation mechanism of 1,3-butadiene and its effect on soot precursors**	C2-02 TOT003 N. Kumioshi, K. Anzai, A. Fuwa **Estimation of rate coefficients for simulation of silicon epitaxial growth processes**
15:50	Coffee Break		

	Monday, May 22 (continued)		
16:20	A2-03 COM013 N. Atef, G. Issayev, Z. Wang, A. Farooq, S. M. Sarathy **Shock tube ignition and detailed kinetic modelling of 2,2,3-trimethylbutane**	B2-03 GPH024 J. P. A. Lockhart, C. F. Goldsmith, J. B. Randazzo, B. Ruscic, R. S. Tranter **A detailed study of the pyrolysis of C_4H_6 isomers: experiment and theory**	C2-03 GPH033 P. Marshall **Formation of sulfuric acid from equilibrium and non-equilibrium sulfur trioxide**
16:45	A2-04 GPH020 M. Pelucchi, C. Cavallotti, T. Faravelli, S. J. Klippenstein **Ab initio and kinetic modelling study of toluene oxidation**	B2-04 GPH002 J. Lopez, Z. Loparo, O. Pryor, S. Barak, S. Vasu **Kinetics of 1,3-butadiene oxidation at high temperatures in a shock tube**	C2-04 ACM002 E. Assaf, C. Schoemaecker, L. Sheps, L. Whalley, D. Heard, C. Fittschen **The reaction of RO_2 radicals with OH and its impact in remote environments**
17:10	A2-05 GPH030 R. Sivaramakrishnan, S. J. Klippenstein **Probing variational effects in the thermal decomposition kinetics of hydroxyalkyl radicals**	B2-05 GPH026 J. B. Randazzo, R. S. Tranter **The thermal decomposition of organic nitrites and their use as radical precursors**	C2-05 TGP006 L. Vereecken, A. Novelli, D. Taraborrelli **The concentration of Criegee intermediates in the troposphere**
17:35	A2-06 GPH027 T. Speak, L. James, M. Blitz, D. de Jesus Medeiros, P. Seakins, A. Bunkan **OH initiated study of the oxidation of N,N'-dimethylformamide: evidence for QOOH+O_2 forming OH**	B2-06 COM020 C. F. Goldsmith **The decomposition kinetics of HONO and HNO_2**	C2-06 TGP002 M. Pfeifle, Y.-T. Ma, A. W. Jasper, W. L. Hase, S. J. Klippenstein **Nascent energy of Criegee intermediates: Is the statistical assumption valid for primary ozonide dissociation?**
18:00	**End of Day**		

	Tuesday, May 23		
08:00	**Registration**		
08:25	**Daily announcements**		
08:30-09:20	**Plenary 3** **Strategies for Collectively Improving the Robustness of Chemical Kinetic Models for Practical Applications in Combustion** Alison S. Tomlin, University of Leeds, UK *Chair: Henry J. Curran, NUI Galway, Ireland*		
	Move to parallel sessions		
	Session A3 (Illinois A/B) Chairs: Andrea Comandini Zeynep Serinyel	**Session B3 (Cardinal)** Chairs: Ahren Jasper William Pitz	**Session C3 (White Oak A/B)** Chairs: Olivier Mathieu Nils Hansen
09:30	A3-01 COM028 M. J. Davis, R. Sivaramakrishnan **Global sensitivity analysis of the ignition of a mixture of n-heptane and methylbutanoate**	B3-01 MUQ001 M Liu, K. Han, W. H. Green **Going bigger: Capturing PAH chemistry in RMG**	C3-01 GPH001 P. Sela, S. Peukert, J. Herzler, M. Fikri, C. Schulz **High-repetition-rate time-of-flight mass spectrometry and single-pulse shock-tube study of the decomposition of tetramethylsilane**
09:55	A3-02 COM023 M. Tao, P. Zhao, A. Laich, P. T. Lynch **On the interpretation and correlation of high temperature ignition delays in reactors with varying thermodynamic conditions**	B3-02 MUQ004 B. Weber, K. Niemeyer **ChemKED: a human- and machine-readable data standard for chemical kinetics experiments**	C3-02 GPH016 M. E. Fuller, J. B. Randazzo, R. S. Tranter, **Shock tube experimental investigation of pyrolysis of propyl nitrite**
10:20	**Coffee Break**		
10:50	A3-03 COM007 C. Barraza-Botet, M. S. Wooldridge **Effects of blends of iso-octane and ethanol on ignition and reaction pathways**	B3-03 CFD001 E. S. Blurock **Chemconnect2016: Data repository with interconnected searchable network of combustion data**	C3-03 GPH023 O. Skrebkov, S. Kostenko, A. Smirnov **Inhibition of the hydrogen-oxygen reaction by polyatomic gas admixtures**
11:15	A3-04 COM006 S. Richter, T. Kick, M. Braun-Unkhoff, C. Naumann, U. Riedel **An experimental and modeling study on isopropanol oxidation - ignition delay time and burning velocity**	B3-04 CFD007 D. Combs, B. Akih-Kumgeh **Enhancing chemical kinetic simulations through combined chemical Langevin equations and model reduction**	C3-04 COM025 C. D. Needham, P. R. Westmoreland **F-atom chemistry in a hydrogen-starved tetrafluoropropene flame**

	Tuesday, May 23 (continued)		
11:40	A3-05 COM035 D. Kang, A. Fridlyand, S. S. Goldsborough, M. Mehl, S. Wagnon, W. J. Pitz, M. J. McNenly **Chemical kinetic interactions of ethanol with a full boiling range gasoline and its surrogates at engine conditions**	B3-05 CFD008 Y. Wu, P. Pal, S. Som, T. Lu **A skeletal chemical kinetic mechanism for gasoline and gasoline/ethanol blend surrogates for engine CFD applications**	
12:05	**Lunch**		
13:30-14:20	**Plenary 4** **High-accuracy Quantum Chemical Methods for Kinetics: Some Recent Developments** John F. Stanton, University of Florida, USA *Chair: Carlo Cavalotti, Politecnico di Milano, Italy*		
	Move to parallel sessions		
	Session A4 (Illinois A/B) Chairs: Scott Goldsborough Pieter Reyniers	**Session B4 (Cardinal)** Chairs: Raghu Sivaramakrishnan Peter Glarborg	**Session C4 (White Oak A/B)** Chairs: Sebastian Peukert Nicole Labbe
14:30	A4-01 CFD002 P. A. Reyniers, D. J. Van Cauwenberge, G. B. Marin, K. M. Van Geem **Towards large eddy simulations with detailed kinetics**	B4-01 COM002 N. Hansen, A. W. Jasper, K. Moshammer, H. Wang, Z. Wang, D. M. Popolan-Vaida, P. Dagaut, S. M. Sarathy **The low-temperature oxidation of tetrahydrofuran investigated by experiment, theory, and modeling**	C4-01 COM008 F. Zhang, C. Huang **Kinetic study of methyl oxidation and its impact to methane ignition**
14:55	A4-02 CFD004 G. Vaghjiani, S. D. Chambreau, J. G. Reuster, A. H. Kawasaki, C. A. Taatjes **Improved pyrolysis micro-reactor design via computational fluid dynamics simulations**	B4-02 COM010 B. R. Giri, F. Khaled, M. Szőri J. R. Barker, A. Farooq **A combined experimental and theoretical kinetic study of the reaction of OH radicals with tetrahydropyran**	C4-02 GPH010 C. Yan, L. Krasnoperov **Reaction of CH_3 radicals with HO_2 over the 292 – 558 K temperature range**
15:20	Coffee break		
15:50	A4-03 CFD006 S. R. Kulkarni, L. A. Vandewalle, P. A. Reyniers, K. M. Van Geem, G. B. Marin **Computational fluid dynamics simulations of biomass fast pyrolysis in a gas-solid vortex reactor**	B4-03 GPH014 M.-W. Chen, B. Rotavera, W. Chao, J. Jr-Min Lin, J. Zádor, C. A. Taatjes **Direct measurement of OH and HO_2 formation in R + O_2 reactions of cyclohexane and tetrahydropyran: influence of oxygenation in cyclic hydrocarbons**	C4-03 ACH002 M. I. Jacobs, K. R. Wilson **Studying the kinetics of reactions in microdroplets using a linear electrodynamic balance**

	Tuesday May 23 (continued)		
16:15	A4-04 CFD005 C. Druzgalski, S. Lapointe, M. J. McNenly **Quantifying reaction rates sensitivity and discoverability in a millimeter-scale flow reactor**	B4-04 GPH022 H. Wang, S. M. Sarathy **A detailed cyclic ether oxidation mechanism for tetrahydrofuran radicals: A theoretical study**	C4-04 GPH031 D. Zaleski, K. Prozument **Dynamic time-resolved chirped-pulse rotational spectroscopy of vinyl cyanide photoproducts in a room temperature flow reactor**
16:40	A4-05 COM003 Y. Zhang, L. Wang, P. Liu, Z. He, H. Lin **Experimental and kinetic study of the effects of CO_2 and H_2O addition on PAHs formation in laminar premixed C_2H_4/O_2/AR flames**	B4-05 COM012 F. Vermeire, H.-H. Carstensen, O. Herbinet, F. Battin-Leclerc, K. Van Geem **Experimental and modeling study of the pyrolysis and combustion of dimethoxymethane**	C4-05 GPH025 T. Q. Bui, B. J. Bjork, O. H. Heckl, P. B. Changala, B Spaun, M. Okumura, J. Ye **Time-resolved frequency comb measurement of OD + CO reaction kinetics and product branching yields**
17:05	**End of Oral Presentation**		
17:30	**Poster Session**		
19:00	**End of Day**		

	Wednesday, May 24		
08:00	**Registration**		
08:25	**Daily announcements**		
08:30-09:20	**Plenary 5** **Low Temperature Kinetics in Uniform Supersonic Flows: Rate Constants, Branching Ratios and Energy Transfer** Ian R. Sims, University of Rennes, France *Chair: Stephen J. Klippenstein, Argonne National Laboratory, USA*		
	Move to parallel sessions		
	Session A5 (Illinois A/B) Chairs: Feng Zhang Frederik Ossler	**Session B5 (Cardinal)** Chairs: James Lockhart Kirill Prozument	**Session C5 (White Oak A/B)** Chairs: Richard West Binod Giri
09:30	A5-01 COM011 A. J. Vervust, M. R. Djokic, S. S. Merchant, A. E. Long, G. B. Marin, W. H. Green, K. M. Van Geem **Detailed experimental and kinetic modeling study of the pyrolysis of cyclopentadiene in the presence and absence of ethene**	B5-01 GPH003 S. Gudiyella, Z. Buras, T. Chu, I. Lengyel, S. Pannala, W. H. Green **A modeling study of high temperature pyrolysis**	C5-01 CHE004 K. Alexopoulos, M. John, M.-F. Reyniers, G. B. Marin **Decoding the complexity of zeolite catalyzed alcohol dehydration by microkinetic modeling**
09:55	A5-02 GPH004 Z. J. Buras, T.-C. Chu, A. Jamal, N. Yee, W. H. Green **Phenyl radical + propene as a prototypical reaction surface for aromatic-catalyzed resonance stabilized radical formation**	B5-02 GPH012 V. Burkle-Vitzthum, R. Bounaceur, P.-M. Marquaire **Kinetic model of the thermal cracking of 78 n- and iso-alkanes in the saturated fraction of oils**	C5-02 CHE006 C. F. Goldsmith, R. H .West **Computer generated microkinetics: a case study for methane dry reforming**
10:20	**Coffee Break**		
10:50	A5-03 TGP005 A. Comandini, N. Chaumeix **PAH growth by *o*-benzyne cycloaddition**	B5-03 TGP008 A. F. Wagner, R. Chitsazi **Pressure effects on the vibrational rotational relaxation of OH(v,j) in argon bath**	C5-03 GPH019 M. AlAbbad, B. R. Giri, J. R. Barker, A. Farooq, **High temperature unimolecular decomposition of cyclopentanone**
11:15	A5-04 ACH003 F. Ossler **In-situ soot/nanoparticle formation and interactions studies based on X-ray and neutron diagnostics**	B5-04 TGP011 G. Guillon, T. R. Rao, S. Mahapatra, P. Honvault **Permutation symmetry and isotope effects in the xO + yO_2 exchange processes**	C5-04 GPH013 V. Burkle-Vitzthum, R. Michels, V. P. Nguyen, N. C. Leguizamon-Guerra, C. Lorgeoux, A. Randi, R. Bounaceur, P-M. Marquaire **Influence of H_2S on thermal cracking of hydrocarbons at 70 MPa and 473-623 K**
Wednesday, May 24 (continued)			

11:40	A5-05 GPH006 F. Goulay, J. Bourgalais, D. L. Osborn, S. D. Le Picard. **Reactions of atomic carbon with unsaturated hydrocarbons**	B5-05 TOT004 S. Han, X. Li, M. Zheng, F. Nie, L. Guo **Reactivity Differences of a 3-component surrogate and a 24-component model for RP-1 fuel pyrolysis evaluated by ReaxFF MD**	
12:15-13:05	**Plenary 6** **Fast Reactions in Aqueous Nanodrops** Evan R. Williams, University of California, Berkeley, USA *Chair: Christa Fittschen, CNRS-University of Lisle, France*		
13:15	**Lunch and afternoon in Chicago**		
18:30	**Banquet at Moxee & Mad Mouse**		
21:00	**End of Day**		

	Thursday, May 25		
08:00	**Registration**		
08:25	**Daily announcements**		
08:30-09:20	**Plenary 7** **Controlling Phenolic Hydrodeoxygenation by Tailoring M-O Bond Strength Via Specific Catalyst Metal Type and Particle Size Selection** Daniel E. Resasco, University of Oklahoma, USA *Chair: William H. Green, Massachusetts Institute of Technology, USA*		
	Move to parallel sessions		
	Session A6 (Illinois A/B) Chairs: Paul Marshall Sang Soo Lee	**Session B6 (Cardinal)** Chairs: David Bross Patrick Lynch	**Session C6 (White Oak A/B)** Chairs: Al Wagner John Randazzo
09:30	A6-01 ION001 S. S. Lee, P. Fenter, K. L. Nagy, N. C. Sturchio **Real-time observations of monovalent cation exchange processes at the muscovite (001) – water interface**	B6-01 GPH018 M. Abián, J. Giménez-López, M. U. Alzueta, C. T. Rasmussen, P. Glarborg **High pressure oxidation of C_2H_2/NO mixtures**	C6-01 COM004 Y. Huang, H. Yang, **Mathematical modelling of the pyrolysis of a large and high ash coal particle**
09:55	A6-02 SLK001 R. Khattak, I. I. Naqvi **Kinetics and mechanism of the redox reactions between dicyanobis(PHEN/BPY)Iron(III) and hexacyanoferrate(II)**	B6-02 COM005 S. Wang, D. F. Davidson, R. K. Hanson **A shock tube study of CH_2O oxidation via simultaneous laser absorption measurements of OH and CO**	C6-02 GPH005 S. Peukert, M. Fikri, C. Schulz **Experimental and theoretical high temperature rate constants for bimolecular reactions of silicon-organic precursors for nanoparticle synthesis**
10:20	**Coffee Break**		
10:50	A6-03 SLK004 P. P. Plehiers, G. B. Marin, C. V. Stevens, K. Van Geem **Automated reaction family generation and analysis using cheminformatics**	B6-03 COM024 R. A. Schwind, A. B. Mansfield, M. S. Wooldridge **The impact of organic silicon compounds on syngas auto-ignition behavior**	C6-03 TGP009 L. A. Rivera-Rivera, A. F. Wagner **Normal mode analysis on the relaxation of an excited nitromethane molecule in argon bath**
11:15	A6-04 SLK007 F. Yan, N. D. Dhumal, H. J. Kim **CO_2 capture in ionic liquid 1-ethyl-3-methylimidazolium acetate: A concerted mechanism without carbene**	B6-04 COM017 C. K. Westbrook, M. Mehl, W. J. Pitz, G. Kukkadapu, K. Zhang, S. Wagnon **Use of familiar kinetics experiments to predict octane parameters of SI engine fuels**	C6-04 TGP003 A. Teplukhin, D. Babikov **Quantum mechanical study of ozone recombination**

	Thursday, May 25 (continued)		
11:40	A6-05 SLK008 M. Ochmann, I. von Ahnen, A. C. Cordones, J. H. Lee, K. Hong, K. Adamczyk, R. W. Schoenlein, T. K. Kim, O. Vendrell, N. Huse **Early timescale photofragmentation kinetics of a disulfide model system investigated by time-resolved X-ray spectroscopy**	B6-05 COM033 S. S. Goldsborough, J. Santner, D. Kang, M. J. McNenly **Chemical kinetics of engine knock, revisited.**	C6-05 CFD003 T. Tankaria, E. Santos, M.A.N.D.A. Lemos, F. Lemos **Kinetic analysis of thermochemical process (pyrolysis) for dried cattle dung**
12:05	**Close of conference**		

Posters

P01_TGP001	**Rate constants for five sensitive reactions during the oxidation process of 1,2,4-trimethylbenzene at low temperature** D. Yu, J.-J. Weng, L.-Dong Zhang, Z.-Y. Tian
P02_GPH008	**Kinetics of Hydroxyl and Other Small Free Radical Reactions with Cyclopentadiene** K. L. Caster, J. Lee, P. Orndorff, K. Hinkelman, F. Goulay
P03_GPH011	**Kinetics of OH + ketohydroperoxides in the low-temperature oxidation of n-pentane: Multi-path variational transition state theory** L. Xing, J. L. Bao, F. Zhang, D. G.Truhlar
P04_GPH035	**On the reactivity of mono-lignol derivatives** S. Gorugantu, J. Van Overloop, D. C. Vargas, H.-H. Carstensen, K. M. Van Geem, G. B. Marin
P05_ACH001	**Effect of dimerization on the OH-initiated heterogeneous oxidation of saccharide nanoparticles** H. Fan, M. R. Tinsley and F. Goulay
P06_GPH028	**Reactions of the Simplest Criegee Intermediate with Inorganic Acids and Alcohols** S. V. Tadayon, E. S. Foreman, K. M. Kapnas, C. Murray
P07_COM032	**Shock-Tube Studies of Diisopropyl Methylphosphonate** O. Mathieu, W. D. Kulatilaka, E. L. Petersen
P08_GPH017	**Reactions of hex-5-en-1-yl radicals** M. Liszka, K. Brezinsky, X. Han
P09_COM022	**High temperature pulsed flow reactor studies of radical species at high temperature** Y. Lee, K. Caster, K. Hinkelman, F. Goulay
P10_COM027	**Autoignition of liquefied natural gas (LNG) in shock tube and rapid compression machine** V. Patel, M. Al-Abbad, S. K. Vallabhuni, A. Lucassen,K. Moshammer, A. Farooq, R. Fernandes
P11_COM029	**Experimental and kinetic modeling study of ammonia autoignition** S. K. Vallabhuni, A. Lucassen, M. Wahab, G. Issayev, A. Farooq, R. Fernandes
P12_COM014	**Shock tube studies of propulsion fuels at low temperatures** J. Guzman, K. Brezinsky
P13_CHE009	**Kinetics and mechanism of catalytic coke gasification by air/CO_2** M.A.N.D.A. Lemos, S.A.C. Carabineiro, L.F. Bobadilla, M.A. Centeno, E. Santos, F. Lemos and L.S. Lobo
P14_EXP001	**Product distributions from fast pyrolysis of 10 Ecuadorian agricultural residual biomass samples** D. C. Vargas, S. Gorugantu, H.-H. Carstensen, D. A. Streitwieser, K. M. Van Geem, G.uy B. Marin
P15_GPH029	**Identifying broadband rotational spectra with neural networks** D. Zaleski, K. Prozument
P16_MUQ005	**An improved algorithm for automatic mechanism generation** M. S. Johnson, W. H. Green
P17_MUQ006	**Automatic kinetic model generation: a combination of the rule-based and rate-based termination criteria** R. Van de Vijver, F. Vermeire, K. Van Geem
P18_COM037	**High accuracy thermochemical kinetics for H + CH_3 (+N_2) ⇄ CH_4 (+N_2)** N. J. Labbe, A. W. Jasper, R. Sivaramakrishnan, S. J. Klippenstein, J. A. Miller, B. Ruscic
P19_COM038	**Predictive automated thermochemistry for combustion** M. Keçeli, A. W. Jasper, C. Cavallotti, Y. Georgievskii, Y.-P. Li, J. M. Wozniak, T. Lu, J. Zádor, R.A. Bair, W. H. Green, A. F. Wagner, S. J. Klippenstein
P20_COM015	**Shock tube study of the pyrolysis of the jet fuels JP10 and Jet A2** X. Han, M. Liszka, K. Brezinsky
P21_GPH009	**Reaction CH_3 + Cl studied over the 292 – 558K temperature and 1 – 100 bar pressure ranges** C. Yan, L. N. Krasnoperov
P22_GPH036	**Kinetics of reactions of atomic chlorine with ketones** T. N. Herath, E. C. Clinch, I. Orozco, P. Marshall
P23_GPH037	**Time resolved HO_2 and OH measurements provide evidence for the formation of OOQOOH** T. Speak, L. James, M. Blitz, P. Seakins
P24_MUQ003	**RMG-Py version 2: New Capabilities & Demonstration** A. M. Payne, W. H. Green