

10:15	BREAK Student Union 331		
	A-1: Reaction Kinetics I (cont.) Student Union 304A Session Chair: P. Zhang	B-1: Piston and Gas Turbine Engines (cont.) Student Union 304B Session Chair: T. Lu	C-1: Turbulent Flames (cont.) Student Union 304C Session Chair: Z. Ren
10:45	A-04 Shock tube studies on the decomposition of 2-butanol <i>Claudette Rosado-Reyes, Wing Tsang</i> <i>National Institute of Standards and Technology</i>	B-04 Three dimensional simulations of diesel sprays using <i>n</i>-dodecane as a surrogate <i>Sibendu Som¹, Douglas E. Longman¹, Zhaoyu Luo², Max Plomer², Tianfeng Lu²</i> ¹ Argonne National Laboratory ² University of Connecticut	C-04 Large eddy simulation of local entropy generation in a turbulent mixing layer <i>M.R.H. Sheikhi, M. Safari, H. Metghalchi</i> <i>Northeastern University</i>
11:00	A-05 High pressure study of 1,3,5-trimethylbenzene oxidation <i>Soumya Gudiyella, Kenneth Brezinsky</i> <i>University of Illinois, Chicago</i>	B-05 Thermodynamics of a rotating detonation engine with micro-injectors <i>Douglas A. Schwer, Kailas Kailasanath</i> <i>Naval Research Laboratory</i>	C-05 Direct numerical simulation of soot formation and oxidation in temporally evolving turbulent luminous non-premixed flames <i>P.G. Arias¹, V.R. Lecoustre², S. Roy³, W. Wang⁴, Z. Luo⁵, D.C. Haworth³, H.G. Im¹, T.F. Lu⁵, K.L. Ma⁶, R. Sankaran⁷, A. Trounev²</i> ¹ University of Michigan ² University of Maryland ³ Pennsylvania State University ⁴ University of Tennessee ⁵ University of Connecticut ⁶ University of California, Davis ⁷ Oak Ridge National Laboratory
11:15	A-06 Autoignition of selected alkyl-benzenes in a rapid compression machine <i>Kamal Kumar, Chih-Jen Sung</i> <i>University of Connecticut</i>	B-06 Thermodynamics of rotating detonation performance <i>Craig A. Nordeen¹, D. Schwer², F. Schauer³, J. Hoke⁴, T. Barber¹, B.M. Cetegen¹</i> ¹ University of Connecticut ² Naval Research Laboratory ³ Air Force Research Laboratory ⁴ Innovative Scientific Solutions Inc.	C-06 A computational study on the influence of exhaust gas recirculation on NO_x emissions for a swirl combustor using steady and time dependent RANS simulations <i>Sergio Escobar, Jose Escobar, Ismail Celik</i> <i>National Energy Technology Laboratory and</i> <i>West Virginia University</i>
11:30			C-07 Auto-ignition and low temperature combustion in HCCI for nonhomogeneous DME/air mixtures <i>Hossam A. El-Asrag, Yiguang Ju</i> <i>Princeton University</i>

11:45	LUNCH – On Your Own		
1:00	<p style="text-align: center;">Student Union Ballroom 331 Invited Speaker: Arvind Atreya, University of Michigan <i>The state of federal support for combustion research and our challenges</i> Session Chair: Phil Westmoreland</p>		
	Session A-2: Reaction Kinetics II Student Union 304A Session Chair: H. Sun	Session B-2: Soot Student Union 304B Session Chair: M. Colket	Session C-2: Turbulent Flames Student Union 304C Session Chair: V. Akkerman
2:00	A-08 Kinetics of H atom attack on unsaturated hydrocarbons using spectral uncertainty propagation and minimization techniques <i>David Sheen^{1,2}, Claudette Rosado-Reyes¹, Wing Tsang¹</i> ¹ National Institute of Standards and Technology ² University of Virginia	B-08 Combustion particulate detection and analysis via a micro-glow discharge <i>Cheihan K. Gaddam¹, Ganesh R. Bhimanapati¹, Amrita Mukherjee¹, Jane H.F. Novak¹, Randy L. Vander Wal¹, Benjamin Ward²</i> ¹ Pennsylvania State University ² Make Engineering, Inc	C-08 PDF-based simulations of turbulent spray combustion in a constant-volume chamber <i>Subhasish Bhattacharjee, Jaishree Jaishree, Vivek Raj Mohan, Hedan Zhang, Daniel C. Haworth</i> Pennsylvania State University
2:15	A-09 Methodology to account for multi-stage ignition events during simulations of RCM experiments <i>S. Scott Goldsborough¹, Gaurav Mittal², Colin Banyon¹</i> ¹ Marquette University ² University of Akron	B-09 Quantification of hydrocarbon condensation on combustion soot particles <i>David Liscinsky¹, Zhenhong Yu², Scott Herndon², Jon Franklin², Jay Peck², Hsi-Wu Wong², Mina Jun³, Ian Waitz³, Archer Jennings¹, Bruce True¹, Meredith B. Colket¹, R. Miake-Lye²</i> ¹ United Technologies Research Center ² Aerodyne ³ Massachusetts Institute of Technology	C-09 LES/PDF studies of turbulent premixed jet flames <i>Haifeng Wang, Stephen B. Pope</i> Cornell University
2:30	A-10 Experimental and surrogate modeling study of gasoline ignition in a rapid compression machine <i>Goutham Kukkadapu¹, Kamal Kumar¹, Chih-Jen Sung¹, Marco Mehl², W.J. Pitz²</i> ¹ University of Connecticut ² Lawrence Livermore National Laboratory	B-10 Molecular-weight growth in fuel-rich toluene + methane and toluene + acetylene flames <i>Wenjun Li¹, Phillip R. Westmoreland¹, Bin Yang², Nils Hansen²</i> ¹ North Carolina State University ² Sandia National Laboratories	C-10 Transported PDF modeling of non-premixed turbulent syngas flames and 0.8 MW oxy-natural gas furnace <i>Xinyu Zhao¹, Daniel C. Haworth¹, E. David Huckaby²</i> ¹ Pennsylvania State University ² National Energy Technology Laboratory
2:45	BREAK - Student Union 331		

	Session A-2: Reaction Kinetics II (cont.) Student Union 304A	Session B-2: Soot (cont.) Student Union 304B	Session C-2: Turbulent Flames (cont.) Student Union 304C
3:15	A-11 Emulating the combustion behavior of real jet aviation fuels by surrogate mixtures from solvent blends <i>Saeed Jahangirian¹, Stephen Dooley¹, Venkatesh Iyer², Thomas A. Litzinger², Robert J. Santoro², Frederick L. Dryer¹</i> ¹ Princeton University ² Pennsylvania State University	B-11 XPS & HRTEM characterization of PM <i>R.L. Vander Wal¹, V. Bryg², M.D. Hays³</i> ¹ Penn State University ² NASA-Glenn Research Center ³ National Risk Management Laboratory	C-11 Blowoff dynamics of acoustically coupled bluff body stabilized flames using proper orthogonal decomposition <i>Kristin Kopp-Vaughan, Trevor R. Jensen, John J. Turner, Baki M. Cetegen, Michael W. Renfro</i> University of Connecticut
3:30	A-12 A theoretical study of H-abstraction reactions of monomethylhydrazine by OH radical <i>Hongyan Sun, Peng Zhang, Chung K. Law</i> Princeton University	B-12 Effects of m-xylene, dodecane and JP-8 addition on soot in laminar, N₂-diluted ethylene co-flow diffusion flames from 1 to 5 atm <i>Anne G. Mouis, Venkatesh R. Iyer, Milton J. Linevsky, Thomas A. Litzinger, Robert J. Santoro</i> Pennsylvania State University	C-12 Blowoff scaling of bluff body stabilized flames <i>C.W. Foley, J. Seitzman, T. Lieuwen</i> Georgia Institute of Technology
3:45	A-13 <i>Ab initio</i> multireference study of the reactions of CH₃N•NH₂ + OH <i>Hongyan Sun, Chung K. Law</i> Princeton University	B-13 Comparison of sooting propensity of JP-8 with its surrogates in a wick burner and a model gas turbine combustor <i>Venkatesh Iyer¹, Suresh Iyer¹, Stephen Dooley², Milton Linevsky¹, Frederick Dryer², Thomas Litzinger¹, Christopher Mordaunt³, Robert Santoro¹</i> ¹ Pennsylvania State University ² Princeton University ³ Bucknell University	C-13 Phase-resolved characterization of conical premixed flames near and far from blowoff <i>Sayan Biswas, Kristin M. Kopp-Vaughan, John Turner, Michael W. Renfro, Baki M. Cetegen</i> University of Connecticut
4:00	A-14 Chemical activation and thermal reactions at higher temperatures <i>Wing Tsang</i> National Institute of Standards and Technology	B-14 Sooting formation from oxygenated hydrocarbons <i>Charles S. McEnally, Lisa D. Pfefferle</i> Yale University	C-14 Analysis of intrinsic flamefront instabilities in response to external acoustic forcing <i>V'yacheslav B. Akkerman Chung K. Law</i> Princeton University
4:15	A-15 Stoichiometric effects on oxidation and benzene-formation chemistry in premixed 1-hexene flames <i>Wenjun Li¹, Phillip R. Westmoreland¹, Bin Yang², Nils Hansen²</i> ¹ North Carolina State University ² Sandia National Laboratories	B-15 Experimental and numerical study of JP-8 coflow flames <i>Luca Tosatto¹, Federico Mella², Beth Anne V. Bennett¹, Marshall B. Long¹, Mitchell D. Smooke¹</i> ¹ Yale University ² Politecnico di Milano	C-15 Darrieus-Landau and Rayleigh-Taylor instabilities in outwardly-propagating, accelerating flames <i>V'yacheslav B. Akkerman, Chung K. Law</i> Princeton University
4:45	GENERAL BUSINESS MEETING Room 304C		

Tuesday, October 11, 2011

7:30 Registration Student Union Theatre Foyer 1st Floor (*Continental Breakfast starting at 7 am*)

8:15 Announcements

Irvin Glassman Award

8:30 Invited Speaker: Tianfeng Lu, University of Connecticut

Chemical Explosive Mode Analysis for Computational Flame Diagnostics with Detailed Chemical Kinetics

Session Chair: Chung K. Law

	Session A-3: Reaction Kinetics I II Student Union 304A Session Chair: M. Zachariah	Session B-3 : Laminar Flames Student Union 304B Session Chair: B. Bennett	Session C-3: Turbulent Flames and Stationary Combustion Student Union 304C Session Chair: S. Chaudhuri
9:30	A-16 Experimental and theoretical study on the reactions of CHF radicals with C₂H₂, C₂H₄ and NO in the temperature range of 296–670 K Xueliang Yang ^{1,2} , Congxiang Chen ¹ , Phillip Westmoreland ² ¹ University of Science and Technology ² North Carolina State University	B-16 Laminar flame speeds of cyclohexane and mono-alkylated cyclohexanes at elevated pressures Fujia Wu, Andrew Kelley, Chung K. Law Princeton University	C-16 Effect of coal particles on the turbulent burning velocity of methane-air premixed flames Scott Rockwell, Ali S. Rangwala Worcester Polytechnical University
9:45	A-17 Thermochemical properties of hydrofluorocarbons Eugene Paulechka ¹ , Kenneth Kroenlein ² , Andrei Kazakov ² ¹ Belarusian State University ² National Institute of Standards and Technology	B-17 NTC-affected ignition in nonpremixed counterflow Chung K. Law, Peng Zhao Princeton University	C-17 Temperature of inverse diffusion flames in a vitiated cross-flow using two-color PLIF thermometry Stanislav Kostka ¹ , David Blunck ² , Naibo Jiang ¹ , Amy Lynch ² , Marc Polanka ² , Scott Stouffer ³ , James R. Gord ² , Sukesh Roy ¹ ¹ Spectral Energies, LLC ² Wright Patterson Air Force Base ³ University of Dayton Research Institute
10:00	A-18 A high temperature model for the combustion of methylbutanoate Raghu Sivaramakrishnan, Wei Liu, Michael J. Davis, Sibendu Som, Douglas E. Longman Argonne National Laboratory	B-18 Prediction of electron and ion concentrations in low pressure premixed acetylene and ethylene flames John Cancian ¹ , Beth Anne V. Bennett ² , Meredith B. Colker ³ , Mitchell D. Smooke ² ¹ Pratt & Whitney ² Yale University ³ United Technologies Research Center	C-18 Turbulent flame speed and self-similar propagation of expanding premixed flames Swetaprovo Chaudhuri, Fujia Wu, Delin Zhu, Chung K. Law Princeton University

10:15	BREAK Student Union 303		
	Session A-3: Reaction Kinetics I II Student Union 304A Session Chair: M. Zachariah	Session B-3 : Laminar Flames Student Union 304B Session Chair: B. Bennett	Session C-3: Turbulent Flames and Stationary Combustion Student Union 304C Session Chair: S. Chaudhuri
10:45	A-19 Density functional theory study of the ignition mechanism of 2-azido-<i>N,N</i>-dimethylethanamine (DMAZ) <i>Peng Zhang, Chung K. Law</i> <i>Princeton University</i>	B-19 Laminar burning speed of 1,1-difluoroethane (R152a)/air mixtures <i>Casey Bennett, Ali Moghaddas, Hameed Metghalchi</i> <i>Northeastern University</i>	C-19 Use of exhaust gas recirculation as a control approach for thermoacoustic instabilities <i>Joseph Ranalli, D. Ferguson</i> <i>National Energy Technology Laboratory</i>
11:00	A-20 Reaction kinetics for TMEDA combustion with red fuming nitric acid <i>Nicole J. Labbe¹, Phillip R. Westmoreland²</i> ¹ <i>University of Massachusetts</i> ² <i>North Carolina State University</i>	B-20 Laminar flame speeds of hydrofluorocarbon-air mixtures <i>Paul Pappas, Shiling Zhang, S.P. Zeppieri, M.B. Colket, K. Smith, Susnane M. Opalka, Parmesh Verma</i> <i>United Technologies Research Center</i>	C-20 An experimental study on hydrocarbon emissions in glycerol combustion utilizing GC/TCD/FID <i>Myles D. Bohon, William L. Roberts</i> <i>North Carolina State University</i>
11:15	A-21 Metal oxide oxygen carriers in chemical looping combustion of carbon: Evidence for condensed phase reaction <i>Nicholas Piekiet, Garth Egan, Michael Zachariah</i> <i>University of Maryland</i>	B-21 Computational and experimental study of laminar coflow methane-air diffusion flames under elevated pressures <i>Su Cao, Beth Anne V. Bennett, Bin Ma, Marshall B. Long, Mitchell D. Smooke</i> <i>Yale University</i>	C-21 Pressurized glycerin combustion in a gas turbine GPU <i>Joseph A. Scroggins, Brian J. McCann, Myles D. Bohon, Joel C. Lisanti, Prithwish Kundu, William L. Roberts</i> <i>North Carolina State University</i>
11:30	A-22 Probing oxygen release kinetics of nanosized metal oxides by temperature-jump time of flight mass spectrometry <i>Guoqiang Jian, Lei Zhou, Nicholas Piekiet, Michael Zachariah</i> <i>University of Maryland</i>	B-22 Sustained methane/air combustion by pulsed microwave energy deposition <i>James B. Michael, Richard B. Miles</i> <i>Princeton University</i>	C-22 Acrolein and other volatile organic emissions from the combustion of crude glycerol <i>Scott A. Steinmetz¹, Jason S. Herrington², Chris Winterrowd³, Daniel Janek², William L. Roberts¹, Jost O.L. Wendt⁴, William P. Linak²</i> ¹ <i>North Carolina State University</i> ² <i>Environmental Protection Agency</i> ³ <i>ARCADIS Geraghty & Miller, Inc.</i> ⁴ <i>University of Utah</i>

11:45	LUNCH – On Your Own		
1:00	<p>Student Union Theatre (1st Floor) Invited Speaker: Marios Soteriou, United Technologies Research Center <i>Modeling and simulation of fuel atomization for aerospace combustion applications</i> Session Chair: Baki Cetegen</p>		
	Session A-4: Reaction Kinetics IV Student Union 304A Session Chair: H. Chelliah	Session B-4: Laminar Flames Student Union 304B Session Chair: M. Smooke	Session C-4: Heterogeneous Combustion Student Union 304C Session Chair: L. Qiao
2:00	A-23 Analysis of chemical and physical processes during pyrolysis of a single cylinder of poplar wood in flow reactor <i>Hayat Bennadji, Elizabeth M. Fisher, Shaka Velaphi Shabangu, Krystle Smith</i> <i>Cornell University</i>	B-23 Direct ignition and the S-curve transition by <i>in-situ</i> nano-second pulsed discharge in methane/oxygen/helium counterflow flame <i>Wenting Sun, Sang Hee Won, Yiguang Ju</i> <i>Princeton University</i>	C-23 Differences of single-coal particle ignition mechanisms in N₂ and CO₂-rich environments <i>Reza Khatami, Yiannis A. Levendis</i> <i>Northeastern University</i>
2:15	A-24 Experimental and modeling study of 2-methylheptane oxidation in a flow reactor, shock tube, and rapid compression machine <i>Saeed Jahangirian¹, D. Healy², S. Mani Sarathy³, Stephen Dooley¹, Marco Mehl³, William J. Pitz³, Frederick L. Dryer¹, Henry J. Curran³, Charles K. Westbrook³</i> ¹ Princeton University ² National University of Ireland ³ Lawrence Livermore National Laboratory	B-24 An implicit-compact finite difference method with application to forced and unforced oscillating laminar jet diffusion flames <i>Richard Dobbins, Mitchell D. Smooke</i> <i>Yale University</i>	C-24 Gaseous and particulate emissions from conventional combustion and oxy-combustion of a lignite coal <i>Feyza Kazanc, Yiannis Levendis</i> <i>Northeastern University</i>
2:30	A-25 1,3,5-trimethyl benzene: Laminar flame speeds measurements and kinetic modeling <i>Pascal Dievart, Hwan Ho Kim, Stephen Dooley, Sang Hee Won, Yiguang Ju</i> <i>Princeton University</i>	B-25 Computational and experimental study of an axisymmetric laminar coflow <i>n</i>-heptane flame <i>Beth Anne V. Bennett, Charles S. McEnally, Lisa D. Pfefferle, Mitchell D. Smooke</i> <i>Yale University</i>	C-25 Catalytic ignition and heat release of ethylene/air mixtures over palladium oxide <i>Yuxuan Xin, Chung K. Law</i> <i>Princeton University</i>

2:45	BREAK Student Union 303		
	Session A-4: Reaction Kinetics IV (cont.) Student Union 304A Session Chair: H. Chelliah	Session B-4: Laminar Flames (cont.) Student Union 304B Session Chair: M. Smooke	Session C-4: Heterogeneous Combustion (cont.) Student Union 304C Session Chair: L. Qiao
3:15	A-26 An updated combustion kinetic model for syngas fuels and C₁ oxygenates <i>F.M. Haas¹, Stijn Vranckx², Marcos Chaos³, Ravi X. Fernandes¹, Frederick L. Dryer¹</i> ¹ Princeton University ² RWTH Aachen ³ FM Global	B-26 Effects of variable specific heats on Markstein lengths and flame front stability <i>Fujia Wu¹, John K. Bechtold², Chung K. Law¹</i> ¹ Princeton University ² New Jersey Institute of Technology	C-26 Multiphysics modeling of coal gasification processes in a well-stirred reactor with detailed gas-phase chemistry <i>Li Qiao, Jian Xu, Jay Gore</i> Purdue University
3:30	A-27 Rate coefficients for H + O₂ + CO₂ → HO₂ + CO₂ determined in a new high pressure laminar flow reactor <i>F.M. Haas¹, Tanvir I. Farouk¹, Marcos Chaos², Michael P. Burke³, Frederick L. Dryer¹</i> ¹ Princeton University ² FM Global ³ Argonne National Laboratory	B-27 On self-acceleration of cellular spherical flames <i>Fujia Wu, Grunde Jomaas, Chung K. Law</i> ¹ Princeton University	C-27 Combustion of nanofluid fuels with the addition of boron and iron particles at dilute and dense concentrations <i>Yanan Gan, Yi Syuen Lim, Li Qiao</i> Purdue University
3:45	A-28 Extinction limits of non-premixed counterflow hydrogen/oxygen/nitrogen flames: Comparison between experiments and predictions with kinetic and transport uncertainties <i>Gaetano Esposito, Brendyn G. Sarnacki, Harsha K. Chelliah</i> University of Virginia	B-28 A comprehensive evaluation of Soret diffusion in heptane-air flames <i>Yuxuan X. Xin¹, Chih-Jen Sung², Chung K. Law¹</i> ¹ Princeton University ² University of Connecticut	C-28 Enhanced evaporation of nanofluids by radiation absorption of nanoparticles <i>Yanan Gan, Li Qiao</i> Purdue University
4:30	Buses depart from Nathan Hale Inn for Banquet		
5:00	Banquet at Pratt & Whitney Engine Museum		
8:00	Buses return to campus		

Wednesday, October 12, 2011

7:00 **Student Union Theatre Foyer 1st Floor Continental Breakfast**

8:30 **Invited Speaker: Alessandro Gomez, Yale University**
Highly turbulent counterflow flames: A laboratory-scale benchmark for turbulent combustion studies
Session Chair: Michael Renfro

	Session A-5: Reaction Kinetics V Student Union 304A Session Chair: M. Raju	Session B-5: Sprays, Droplets & Diagnostics Student Union 304B Session Chair: T. Avedesian	Session C-5: Fire Student Union 304C Session Chair: R. Acharya
9:30	A-29 Efficient development of accurate detailed combustion chemistry models <i>William H. Green</i> <i>Massachusetts Institute of Technology</i>	B-29 Methanol droplet extinction in oxygen/carbon-dioxide/nitrogen mixtures in microgravity: Results from the international space station experiments <i>Vedha Nayagam¹, Daniel Dietrich², Paul Ferkul¹, Michael Hicks², Forman Williams³</i> ¹ National Center for Space Exploration Research ² NASA Glenn Research Center ³ University of California, San Diego	C-29 Study of interaction of entrained coal dust particles in lean methane-air premixed flames <i>Yanxuan Xie¹, Vasudevan Raghavan², Ali S. Rangwala¹,</i> ¹ Worcester Polytechnic Institute ² Indian Institute of Technology Madras
9:45	A-30 A multi-scale approach to model development <i>Michael P. Burke, Stephen J. Klippenstein, Lawrence B. Harding</i> <i>Argonne National Laboratory</i>	B-30 Flash atomization of a superheated jet fuel <i>Jeremiah Lee¹, May Corn¹, W. Zhao¹, C. Fotache¹, S. Gopalakrishnan², David Schmidt²</i> ¹ United Technologies Research Center ² University of Massachusetts	C-30 Numerical modeling of spontaneous ignition of coal dust layers deposited over hot surfaces <i>Kulbhushan A. Joshi¹, Ali S. Rangwala¹, V. Raghavan²</i> ¹ Worcester Polytechnic Institute ² Indian Institute of Technology Madras
10:00	A-31 Parallel computation of chemical mechanism reduction <i>Mandhapati P. Raju, Mingjie Wang</i> <i>Convergent Science Inc.</i>	B-31 Comparison of the spherically symmetric droplet burning characteristics of Jet-A with three and four component surrogate blends <i>Yu-Cheng Liu, Anthony J. Savas, C. Thomas Avedisian</i> <i>Cornell University</i>	C-31 Catalytic ignition of enclosed hydrogen leaks <i>Kyle Brady¹, Chih-Jen Sung¹, James S. T'ien²</i> ¹ University of Connecticut ² Case Western Reserve University
10:15	BREAK Student Union 303		

	Session A-5: Reaction Kinetics V (cont.) Student Union 304A Session Chair: M. Raju	Session B-5: Sprays, Droplets & Diagnostics (cont.) Student Union 304B Session Chair: T. Avedesian	Session C-5: Fire (cont.) Student Union 304C Session Chair: R. Acharya
10:45	A-32 Computationally-efficient parallel implementation of combustion chemistry in LES/PDF computations <i>Varun Hiremath, Steven R. Lantz, Haifeng Wang, Stephen B. Pope</i> Cornell University	B-32 On the extinction characteristics of alcohol droplet combustion under microgravity conditions-a numerical study <i>Tanvir Farouk, Frederick L. Dryer</i> Princeton University	C-32 Piloted ignition regimes of wildland fuel beds <i>J.C. Thomas¹, Albert Simeoni¹, Francesco Colella², Jose L. Torero³</i> ¹ Worcester Polytechnic Institute ² Politecnico di Torino ³ Edinburgh University
11:00	A-33 Development of a detailed zero- and one-dimensional aromatic and cyclo-C₅ model <i>Ryan Closson, Vik Gill, Adam Hashemi, Yelena Kozachkova, Thomas Toshkoff, Yevgeniy Tsy-pin, Robert G. Butler</i> Baruch College	B-33 A film boiling reactor for decomposition of subcooled organic liquids <i>Wei-Chih Kuo¹, C. Thomas Avedisian¹, Wing Tsang²</i> ¹ Cornell University ² National Institute of Standards and Technology	C-33 Stirred-reactor simulations of enhanced reaction in the presence of fire suppressants <i>G.T. Linteris¹, D.R. Burgess², F. Takahashi², V.R. Katta³, O. Meier⁴</i> ¹ National Institute of Standards and Technology ² Case Western Reserve University ³ Innovative Scientific Solutions ⁴ The Boeing Company
11:15	A-34 Elementary-reaction kinetics of glucose pyrolysis <i>Vikram Seshadri, Jordan R. Keith, Phillip R. Westmoreland</i> North Carolina State University	B-34 Absolute light calibration in combustion experiments <i>Bin Ma, Marshall Long</i> Yale University	C-34 Dynamics of interactions of a watermist spray with a buoyant plume <i>Ragini Acharya, Guido Poncia</i> United Technologies Research Center
11:30		B-35 Selective observation of the anomalous Zeeman effect using magneto-optic rotation <i>Jamie Lane, Michael Stichter, Nicholas Cernansky, David Miller</i> Drexel University	C-35 Conditions affecting external flame propagation into a portable gasoline container: A summary of test methods and experimental findings <i>Brian E. Elias, Robert G. Zalosh, Ali S. Rangwala</i> Worcester Polytechnic Institute
11:45		B-36 H₂O number density and temperature measurements in a rapid compression machine using Mid-IR absorption spectroscopy <i>Mruthunjaya Uddi¹, Apurba K. Das², Goutham Kukkadapu³, Chih-Jen Sung³</i> ¹ Princeton University ² Case Western Reserve University ³ University of Connecticut	
12:00	ADJOURN – See you at the 34th International Symposium on Combustion in Warsaw, Poland – July 2012		