

Poster Session I

Tuesday, 15:30 - 16:45

PI-1	<b>Ignition Delay Times of Dual-Fuel Mixtures of Silane/Hydrogen at High and Low Temperatures (751)</b> <i>D. Tropin, A. Fedorov</i>
PI-2	<b>Study of the Thermal Effects of Microwave Induced Plasma on Premixed Methane-Air Flames (800)</b> <i>H.Y. Li, Y.C. Chao</i>
PI-3	<b>Outwardly Propagating Spherical Flame with Cellular Instabilities and Laminar Burning Velocities in Methane/Ethylene/Air Premixed Flames. (813)</b> <i>K.H. Van, H.J. Kim, J. Park, O.B. Kwon, D.K. Lee, S.G. Kim, Y.T. Guahk, D.S. Noh, S.H. Chung</i>
PI-4	<b>Combustion Characteristics of Pyrolytic Oil Droplet From Sewage Sludge (831)</b> <i>G.B. Chen, J.W. Li, H.T. Lin, F.H. Wu, Y.C. Chao</i>
PI-5	<b>On the Characteristics of Liftoff Heights in Laminar Lifted Flames of Methane in Coflow Jets (836)</b> <i>N.P. Sapkal, K.H. Van, J. Park, O.B. Kwon, B.J. Lee, S.H. Chung</i>
PI-6	<b>A Detailed Numerical Simulation of an Impulsively Started N-Dodecane Lifted Jet Flame at 40 Bar (839)</b> <i>Y. Minamoto, J.H. Chen</i>
PI-7	<b>Mixed Gaseous Detonation Fabrication of CNTs and CNTs doping with Fe Based Composites (875)</b> <i>N. Luo, J. Xiang, T. Shen</i>
PI-8	<b>Hybrid RANS/LES Investigation of Precessing Vortex Core (PVC) in a Swirl Premixed Combustor (882)</b> <i>Z. Mansouri, T. Boushaki</i>
PI-9	<b>Numerical Simulations of Mechanochemical Responses for Confined PBXs Under Low-Velocity Impact (889)</b> <i>K. Yang, Y. Wu, F. Huang, Z. Zhang</i>
PI-10	<b>Phase Transition of RDX Under High Pressure up to 50 GPa (902)</b> <i>C. Gao, C. Zhang, Z. Sui, Y. Qu, R. Dai, Z. Wang, X. Zheng5, Z. Zhang</i>
PI-11	<b>Temperature Distribution Along a Pulse Detonation Combustor in a Wide Range of Ratios Between the Oxygen-Enriched Heptane-Air Mixture Components (905)</b> <i>M. Assad, I. Chernukha, O. Penyazkov</i>
PI-12	<b>Shock Induced Phase Transition of HMX Considering Initial Temperature Effects (921)</b> <i>W. Hu, Y. Wu, F. Huang</i>
PI-13	<b>Study of Downward Flame Spread and Fire Risk Evaluation of the Thermoplastic Materials (925)</b> <i>R. Zong, W. Zhao, C. Liu, X. Liu</i>
PI-14	<b>Oscillatory Combustion Characteristics of Micron-Size Aluminum Powder in Sound Field (942)</b> <i>J. Li, Y. Wang, N. Wang</i>
PI-15	<b>Effects of Ignition Location on Soot and Species Formation Through Tracking Flame Light Emission and Temperature (946)</b> <i>Y. Wang, Z. Ma, Y. Zhang</i>

PI-16	<b>Structure Evolution of Energetic Material LLM-105 Under High Pressure (952)</b> <i>Z. Xu, H. Su, X. Zhou, R. Dai, Z. Wang, H. Li, Z. Zhang</i>
PI-17	<b>Rise and Fall of Vortex on a Rotating Paper (953)</b> <i>T. Tsuruda, T. Daitoku, K. Kobayashi</i>
PI-18	<b>Flame Spread Along a Combustible Slope (954)</b> <i>T. Tsuruda, K. Hiyama, T. Daitoku</i>
PI-19	<b>Research of the Rocket Engine with Detonation Chamber (955)</b> <i>M. Kawalec, P. Wolanski</i>
PI-20	<b>Investigation of Co-Combustion Characteristics of Pulverized Coal with Miscanthus Floridulus Biochar (960)</b> <i>H.T. Lin, G.B. Chen, Y.H. Li, Y.C. Chao</i>
PI-21	<b>Modelling Analysis of Wave Interactions During the Ignition Process of Rotating Detonation Engines (966)</b> <i>W. Wei, B. Wang</i>
PI-22	<b>Numerical Simulation of a Single-Mode Sinusoidal Flame Interacting with a Shockwave (967)</b> <i>W. Wei, B. Wang</i>
PI-23	<b>Physical and Electrical Measurements of Different Metals Used in EBW Detonators (977)</b> <i>C. Valancius, J. Bainbridge, C. Love, D.R. Richardson</i>
PI-24	<b>Detonation in 3D Annular Chamber with Obstacles and Water Surface on one End (1018)</b> <i>K. Sato, E. Dzieminska, A.K. Hayashi, Y. Tamauchi</i>
PI-25	<b>A Numerical Investigation on Double-Front Detonation in Solid Explosive Mixture with Varying Aluminum Concentration (1039)</b> <i>W. Kim, M. Gwak, J. Yoh</i>
PI-26	<b>Numerical Simulation of Rotating Detonation Under Variable Conditions (1104)</b> <i>V. Levin, I. Manuylovich, V. Markov</i>
PI-27	<b>A Study of Interaction Between Pressure Waves and Reaction Regions in HCCI Combustion Accompanied by Strong Knocking Based on High-Speed in-Cylinder Visualization and Observation (1136)</b> <i>A. Iijima, K. Takeda, Y. Yoshida, Z. Lin, H. Shoji</i>
PI-28	<b>Simulation Study on Detonation Propagation Driven by Piston (1137)</b> <i>Z. Lin, J.H. Lee, X. Mi</i>
PI-29	<b>Sensitivity Study of Solid Fuel Properties and Dynamic Behavior of Pyrolysis in Non-Charring Materials (1142)</b> <i>S. Sabarilal, A. Syed, A. Kumar</i>
PI-30	<b>Experimental Study on Laser Ignition of Low Vulnerability Propellant Based on Nitrocellulose (1071)</b> <i>L. Courty, J.F. Lagrange, P. Gillard, C. Boulnois</i>