

Work-in-Progress Posters	
Wednesday, 10:00 - 13:00	
WIP-1	Interactions Between Mixing, Flame Propagation, and Ignition in Non-Premixed Turbulent Flames (894) <i>W. Xiaodong, C. Losier, V. Robin, A. Mura</i>
WIP-2	Modeling Expansion of Particle Clouds (986) <i>A. Kuhl, D. Grote</i>
WIP-3	Study of Hypergolic Hybrid Rocket Using Hydrogen Peroxide As Oxidizer (1141) <i>C. Lu, Y.C. Hsu, Y. Chou, Y.C. Chao</i>
WIP-4	Combustion Characteristics of a Pinewood Pyrolysis Bio-Oil Droplet at High Ambient Temperatures (4302) <i>S.I. Yang, M.S. Wu, E. Lin</i>
WIP-5	Testing Methods for Continuous Monitoring of SO₃ and H₂SO₄ at Flue Gas Conditions (4305) <i>Y.C. Chien, A. Biasioli, D. Dunn-Rankin</i>
WIP-6	Propagation of Hydrogen-Air-Vapor Flame in Presence of Water Droplets (4306) <i>Robertoruso, N. Chaumeix, A. Bentaïb</i>
WIP-7	A Review of Flame Propagation and Quenching in Pipes and Ducts Handling Combustible Dusts (4308) <i>A. Ing</i>
WIP-8	Sulfur Chemistry in Combustion Processes (4309) <i>M. Alzueta, M. Abián, J.M. Colom-Díaz, Á. Millera, R. Bilbao</i>
WIP-9	An Experimental Ignition Delay Time and Chemical Kinetic Modelling Study of 1-Hexene (4311) <i>J.J. Rodríguez-Henríquez, A. Nawdiyal, C. Banyon, H. Curran, F. Mauss</i>
WIP-10	Investigation on Coal Dust Explosion Characteristics and Its Influencing Factors Using 20L Spherical Vessel (4313) <i>Q. Li, Q. Tao, C. Yuan, Y. Zheng</i>
WIP-11	The Influence of the Boundary Conditions on the Urea-Water Solution Decomposition in Case of Closed Coupled Selective Catalytic Reduction Systems Performance (4315) <i>R. Rogoz, P. Jaworski, A. Teodorczyk</i>
WIP-12	A Study of Pyrolytic Oil From Sewage Sludge Using the Taguchi Method and Its Combustion Characteristics (4316) <i>G.B. Chen, J.W. Li, H.T. Lin, F.H. Wu, Y.C. Chao</i>
WIP-13	Development of a TDLAS Sensor for Temperature and Concentration Measurements of H₂O in High Speed and High Temperature Reacting Flows (4317) <i>S. Sheehe, S. O'Byrne</i>
WIP-14	Stability of Premixed Gaseous Flames Propagating in Hele-Shaw Cells (4320) <i>D. Fernandez-Galisteo, V. Kurdyumov</i>
WIP-15	Evaluation of Increase in Maximum Pressure Caused by Flame Propagation in Semi-Closed Ducts (4322) <i>L. Murakami, N. Ito, T. Mogi, R. Dobashi</i>
WIP-16	Effects of the Vortex in the Burnt Gas on Flame Interaction by the Offsetting Counter-Flow Burner (4323) <i>H. Shibagaki, Y. Yahagi, I. Makino</i>

WIP-17	Kinetics of Combustion of Synthetic Jet Fuels (4324) <i>P. Dagaut, G. Dayma, P. Dievart, F. Karsenty</i>
WIP-18	Validation of FLACS-Fire for Large Scale Fires of Natural Gas/Hydrogen Mixtures (4326) <i>D. Muthusamy</i>
WIP-19	Effect of Pressure on the Flame Transfer Function of a Swirled Methane-Air Premixed Flame (4327) <i>T.F. Guiberti, A. di Sabatino, W.R. Boyette, W.L. Roberts, J. Moeck, A. Lacoste</i>
WIP-20	Decreasing the Run-Up Length to DDT Through the Application of Nanosecond Repetitively Pulsed Discharges in Place of Obstacles (4328) <i>J. Gray, A. Lacoste</i>
WIP-21	Simulations of Underwater Explosion Phenomena (4329) <i>A. Gavrikov, N. Zaretskiy, A. Aleksandrov, A. Efimenko, S. Privezentsev, V. Alekseev, K. Makarov</i>
WIP-22	Propane and Air Mixture –Based Short-Barrel Detonation Gun (4332) <i>K. Korytchenko, Y. Kysternyy, O. Sakun</i>
WIP-23	Acoustic Response of Strained Methane-Oxygen Diffusion Flames (4334) <i>A. Weiss, W. Coenen, A.L. Sánchez, F.A. Williams</i>
WIP-24	Numerical Modeling on the Flow Characteristic of Catalytic Combustion Over a 2D Cylindrical Bluff Body (4336) <i>C.Y. Wu, C.C. Cheng, Y.S. Lien</i>
WIP-25	Effects of Stoichiometric Mixture Fraction on Triple-Flame Propagation in Strained Mixing Layers (4339) <i>P. Rajamanickam, W. Coenen, A.L. Sánchez, F.A. Williams</i>
WIP-26	Propagation of a Shock-Flame Complex Around a Cylinder (4341) <i>W. Rakotoarison, M.I. Radulescu</i>
WIP-27	Flame Propagation Behavior in Semi-Closed Pipes with Bend (4342) <i>T. Mogi, N. Ito, L.M. J.P., R. Dobashi</i>
WIP-28	A Statistical Representation of Pyrotechnic Igniter Output (4343) <i>S. Guo, M. Cooper</i>
WIP-29	Micro-Explosion and Burning Characteristics of a Single Droplet of Petrochemical Heavy Oils (4344) <i>K. Ahuja, Y.H. Li, G.B. Chen, Y.C. Chao, Y.T. Yang</i>
WIP-30	Modeling of Mist Explosions in the CFD Simulator FLACS (4346) <i>L. Bernard, T. Skjold</i>
WIP-31	Towards Analytical Predictive Scenario of a Coalmine Burning Accident (4347) <i>S. Demir, V. Akkerman</i>
WIP-32	Effects of Ignition Delay by Nitrogen Film Cooling on Ignition Transition of Gaseous Oxygen/Kerosene Spray Combustor (4349) <i>W. Song, D. Shin, M. Son, J. Koo</i>
WIP-33	On the Emission of Pollutants After Blending Conventional Fuels with Renewable Fuels. (4350) <i>P.Dagaut, G.Dayma, F.Foucher, A. R.Shah la</i>
WIP-34	Experimental Estimation of Laminar Burning Velocities in Hydrogen-Air Mixtures, with and Without Water Mist (4351) <i>B.J. Arntzen, W. Puorury</i>

WIP-35	<p align="center">Numerical Prediction of Shock Induced Ignition in the Presence of Fluctuations (4352) <i>W. Wang, J. McDonald, A.A. Pekalski, M. Radulescu</i></p>
WIP-36	<p align="center">Development and Testing of Novel LED-Based, Robust, High-Speed, Fire Detection Sensor (4353) <i>S. Vasu</i></p>
WIP-37	<p align="center">Small-Scale Rotating Detonation Engine Development and Testing (4354) <i>C.B. Kiyanda, S. Ahmed, M.A. Allard, S. Connolly-Boutin, S. Fahmy, V. Joseph, M. Nashen, H.D. Ng, A. Higgins</i></p>
WIP-38	<p align="center">Thermal Ignition Revisited with Three-Dimensional Molecular Dynamics: Role of Fluctuations in Activated Collisions (4356) <i>N. Sirmas, R. Murugesan, M. Radulescu</i></p>
WIP-39	<p align="center">Ethanol Deflagration to Detonation Transition (4381) <i>A.Z. Mendiburu, J.A. de Carvalho, G. Ciccarelli, F.S. Carvalho</i></p>
WIP-40	<p align="center">A Novel Utilization Direction for Ventilation Air Methane: Explosion Power Generation (4388) <i>B. Nie, C. Peng, L. Yang</i></p>