

9TH EUROPEAN COMBUSTION MEETING 2019

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PROGRAMME



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S3_A11_01 Activation effect of diethyl ether on the partial oxidation of methane <i>D. Kozmarák, S. Szapáti, B. Atkinson, T. Kasper</i>	S3_A11_02 Estimation of sticking coefficients using mobile and immobile transition states for catalytic platinum systems <i>A.-M. Bopchidou, K. Gougas, R.P. Lindstedt</i>	S3_A11_03 Evaluation of polyaromatic hydrocarbon formation in counterflow diffusion flames <i>R. Imhoff, W. Reppeltschuld, L. Cai, M. Peuchot, T. Farnwell, H. Pitsch</i>	S3_A11_04 Combustion study of a 3-components surrogate fuel <i>Yue-Xi Liu, Sandra Richter, Gertner Mannann, Martin Braun-Hardt, Zhen-Yu Tian</i>	S3_A11_05 Mechanism and kinetic study on the pyridine low-temperature oxidation under fuel-rich condition <i>Ling-Han Wu, Zhen-Yu Tian, Jun-Jie Wang, Dan Yu, Yue-Xi Liu, Dong-Xu Tian, Chuang-Chuang Gao, Jia-Biao Zou, Yan Zhang, Ju-Zhong Ying</i>
S3_A11_06 Reduction of methane-air combustion kinetic model through flux analysis and optimized with adaptive Monte Carlo optimization for chemical kinetics <i>Gerij Hughes, Federico Felluga, Stephen Dooley</i>	S3_A11_07 An experimental and theoretical kinetic study of the reaction of hydroxyl radicals with 1,4-pentadiene <i>Binod Raj Giri, Iam Y.-I. Ma, Dongyuan Ma, Jian S. Liu, K. Hupin, Bela Vekesz, Anam Farooq</i>	S3_A11_08 Combustion behaviour of ammonia blended with dimethyl ether <i>Gerij Hughes, Binod Raj Giri, Jeyran M. Baz, William Roberts, Anam Farooq</i>	S3_A11_09 Exploring the combustion chemistry of a novel lignocellulose-derived biofuel: glydotetranol <i>L. Cai, L. Kröger, M. Dörigen, H. Minwegen, R. D. Bittgen, A. Rindlinsingam, K. Lebnwald, K. Nungonswamy, S. M. Samtly, K. A. Hecker, H. Pitsch</i>	S3_A11_10 Comparison of methane combustion mechanisms based on shock tube and RCM ignition delay time measurements <i>Peng Dong, Binod Giri, Zeddy, Viktor Sanku, Tamás Turányi</i>
S3_A11_11 Comparison of detailed reaction mechanisms for nitrogen chemistry in syngas combustion systems <i>Andras Gy. Szamhoffer, István Gy. Zeddy, Tamás Turányi</i>	S3_A11_12 Modelling study of ignition delay time characteristics of ultra-rich C1/C2 mixtures in a constant volume reactor at low-pressure <i>S. Martinez, M. Boughannamal, K. Somers, H. Gurnit, A. Peuchot</i>	S3_A11_13 An updated chemical kinetic model for the simulation of laminar burning velocities of premixed hydrogen-, methane-, and n-heptane/air flames <i>R. Hesse, J. Beckmann, H. Pitsch</i>	S3_A11_14 A jet-stirred reactor study of the oxidation and pyrolysis of di-n-propyl-ether <i>Morane Lathau, Zeynep Sennel, Guillaume Dagny, Philippe Dagaut</i>	S3_A11_15 Determination of the rate parameters of N₂O/₂ elementary reactions based on H₂O/₂ combustion experiments <i>M. Kovács, T. Varga, C. Öm, A. Bocu, R. Fülöpögyi, I. Gy. Zeddy, T. Turányi</i>
S3_A11_16 Experimental and modelling study of the oxidation of methane doped with ammonia <i>Y. Song, O. Herding, M. Peuchot, A. Szapáti, T. Farnwell, F. Böttner-Heider</i>	S3_A11_17 An experimental and kinetic modeling study on the reactivity of 1,3-dioxolane under engine relevant conditions <i>A. Wittenberg, T. Farnwell, B. Léon, L. Le Moine, A. Kérmécs, K. A. Hecker</i>	S3_A11_18 An experimental and modelling study of difluorotoluene oxidation <i>A. Minic, I. Ghera, B. Kuvshinov, C. Williams, J. Pitz, D. Henry, J. Gurnit</i>	S3_A11_19 Response-surface and group-additivity methodology for estimation of thermodynamic properties of oxygen-containing organosilanes <i>H. Jandou, C. Schulz, J. Wlokos, S. Peulert</i>	S3_A11_20 Global Quasi-Linearization (GQL) method for high dimensional detailed reaction mechanisms <i>S. Fornas, C. Yu, E. Berzany, Y. Björk, U. Maas</i>
S3_A11_21 Prediction of non-premixed combustion regimes in a DI diesel engine in various operation points <i>D. Derfner, A. Hernandez, A. Attili, M. Kokmaz, H. Pitsch</i>	S3_A11_22 Methodology for knock investigation in spark ignition engines <i>O. Mgharbel, M. Morat, A. Robert R. Dauphin, N. Ounarek</i>	S3_A11_23 Toward direct numerical simulations of a gas engine pre-chamber <i>C. Chi, A. Abdelkamel, D. Thevenin</i>	S3_A11_24 Development of a phenomenological blending rule for the assessment of the anilnolod quality of hydrocarbon fuel mixtures <i>Diane Santos, Ilhassan A. Bousm, José A. Velásquez</i>	S3_A11_25 Combustion characteristics of diesel blended with sludge-derived hydrothermal liquefaction oil and its <i>Chun-Hsien Lin, Chung-Hao Hsu, Hsueh-Yi Li</i>
S3_A11_26 A computationally efficient combustion progress variable (CPV) approach for engine applications <i>A. Werner, C. Metzner, A. Bög, A. Martinsina, L. Seidel, F. Mauss</i>	S3_A11_27 Cycle variation analysis of the partially premixed combustion (PPC) using natural flame luminosity and planar laser-induced fluorescence imaging <i>Qingqing Jiang, Velloppan Ramon, Yanzhao An, Hao Shi, Prabhat Sharma, Gertano Kapaniti, Bengt Johansson</i>	S3_A11_28 Modelling of auto-ignition to premixed flame transition in a context of Dual-fuel engine combustion <i>M. Jona, S. Joy, J.-S. Michel</i>	S3_A11_29 Reactivity controlled compression ignition combustion using renewable fuels <i>Ushan Kar Babkovic, Pook Wihar, Samuel Robinson Oprea, Tomaž Kramaršnik</i>	S3_A11_30 Experimental investigation of the impact of advanced injection strategies on a LTC concept for a single cylinder CI engine <i>M. Kérmécs, J. Beckmann, H. Pitsch</i>