New Perspectives, Methods, and

Applications for Laminar Burning Velocity

April 14, 2019 - PT Meeting Center, R. Bojador 47, 1990-254 Lisbon, Portugal

Preliminary program

09:00 - 09 :20	Registration - Coffee	
09:20 - 09 :40	Introduction Talk	
SESSION 1	**What needs exist to measure flame speeds?**	
9 :40 – 10 :10	Flame speed: What do we need to measure for practical applications?	R. Cracknell (SHELL)
10:10 – 10:40	LES of industrial turbulent reacting flows: modelling effects and challenges	L. Gicquel (CERFACS)
10:40 – 10:50	Discussions	
10:50 – 11:20	Coffee break	
SESSION 2	**What can be delivered? Is SL the right target to be measured?**	
11:20 – 11:40	Consumption speed determination from spherically expanding flames	E. Varea (CORIA)
11:40 – 12:00	On the accurate determination of laminar burning velocity from constant-volume propagating spherical flames	Z. Chen (Peking University)
12:00 – 12:20	Laminar burning velocities of refrigerants under the impact of buoyancy and radiation	J. Beeckmann (RWTH Aachen, ITV)
12:20 – 12:30	Discussions	
12:30 – 13:50	Lunch	
SESSION 3	**What are the next steps?**	
13:50 – 14:10	New targets for the laminar flame speed determination and kinetic schemes validation	F. Halter (Univ. of Orléans - ICARE/CNRS)
14:10 – 14:30	Propagation of laminar flames of light and heavy fuels at engine-relevant conditions: state-of-the-art and future direction	J. Jayachandran (Worcester Polytechnic Institute, Massachusetts)
14:30 – 14:50	High-temperature laminar burning velocity measurements in a shock tube: LBV, temperature and species	A. Ferris (Stanford University)
14:50 – 15:00	Discussions	
15:00 – 15:30	Coffee break	
SESSION 4	**What do we learn?**	
15:30 – 16:50	Global discussion/outcome/joint work/database/agreement between groups	
16:50 – 17:00	Closing remarks	