

2016 Second International Workshop on Combustion Chemistry Models of Real Liquid Fuels

Drs. Egolfopoulos, Li, Lu, Sankaran, and Wang | June 1, 2016 | Arlington, VA

Basic Research Innovation and Collaboration Center (BRICC)
4075 Wilson Blvd., Suite 350 | Liberty Room
Arlington, VA 22203

Date

Time	Title	Speaker
8:00-8:25	Registration	
Chemistry Experiments and Models		
8:30-8:45	Welcome Remarks and Workshop Objectives	Egolfopoulos & Li
8:45-9:15	Overview of Experimental and Modeling Approaches and Results	Wang
9:15-9:45	High-pressure Shock-tube Studies of Real Fuel Pyrolysis and Oxidation	Brezinsky
9:45-10:00	BREAK	
10:00-10:15	New Shock-tube Facility at Georgia Tech	Sun
10:15-10:45	Jet Stirred Reactor Study of Real Fuel Oxidation	Ronney
10:45-11:15	Mechanism Reduction	Lu
11:15-11:45	Direct Numerical Simulations of High-speed Combustion	Poludnenko
11:45-12:00	Open Discussion	
	LUNCH	
CFD Implementation Chair: Hai Wang		
1:00-1:30	Large-eddy Simulation of Turbine Combustion	Poinsot
1:30-2:00	Turbulent Combustion Research at Cambridge	Mastorakos
2:00-2:30	Detailed Chemistry in CFD	Goldin
2:30-3:00	LES Simulation of Real-fuel Combustion in Turbine Engines	Menon
3:00-3:15	BREAK	

3:15-3:45	LES Simulation of Real-fuel Combustion in Turbine Engines	Ihme
3:45-4:15	Overview of Simulation of High-speed Combustion	Sankaran
4:15-5:00	Open Discussion	
5:00	MEETING ADJOURNED	