



*Combustion and Flame*, in preparation.

Krithika Narayanaswamy, Heinz Pitsch, and Perrine Pepiot

"A chemical mechanism for low to high temperature oxidation of methylcyclohexane as a component of transportation fuel surrogates", under review in *Combustion and Flame*.

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"A chemical mechanism for low to high temperature oxidation of *n*-dodecane as a component of transportation fuel surrogates", *Combustion and Flame*, 2014.

Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,

"A consistent chemical mechanism for oxidation of substituted aromatic species"  
*Combustion and Flame*, 157 (10) (2010) 1879–1898.

#### CONFERENCE

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Jet Fuels and Fischer-Tropsch fuels - Surrogate definition and chemical kinetic modeling"  
8<sup>th</sup> U.S. National Combustion Meeting, University of Utah, Salt Lake City, May 22<sup>nd</sup>, 2013

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Chemical mechanism for *n*-dodecane and methylcyclohexane as components of transportation fuel surrogates",  
*Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2012

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Progress in surrogate formulations for jet fuels"  
*Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2011

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Towards Surrogate formulation for jet fuels"  
*Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2010

Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,

"A consistent chemical mechanism for oxidation of substituted aromatic species"  
6<sup>th</sup> U.S. National Combustion Meeting, University of Michigan, Ann Arbor, 2009

Krithika Narayanaswamy, Guillaume Blanquart, and Heinz Pitsch,

"A consistent chemical mechanism for oxidation of substituted aromatic species"  
*Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2009

#### POSTERS

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Jet Fuels and Fischer-Tropsch fuels - Surrogate definition and chemical kinetic modeling"  
*Thermal and Fluid Sciences Affiliates and Sponsors Conference*, Stanford University, 2013.

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Development of kinetic model for jet fuels and Fischer-Tropsch fuels"  
34<sup>th</sup> Proceedings of Combustion Institute, Warsaw University of Technology, Poland, August 4<sup>th</sup>, 2012.

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"Kinetic models for surrogate fuels"  
7<sup>th</sup> U.S. National Combustion Meeting, Georgia Institute of Technology, Atlanta, March 22<sup>nd</sup>, 2011.

#### INVITED TALKS

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,

"A chemical kinetic model for jet fuel surrogates"  
*Cornell Fluid Dynamics Seminar*, Cornell University, April 29<sup>th</sup>, 2014.

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,  
“Development towards a chemical kinetic model for transportation fuel surrogates”  
*Chemical Engineering Seminar*, Indian Institute of Technology Madras, September 6<sup>th</sup>, 2012.

Krithika Narayanaswamy, Perrine Pepiot, and Heinz Pitsch,  
“Development towards a chemical kinetic model for transportation fuel surrogates”  
*High Temperature Gas Dynamics Seminar*, Stanford University, May 9<sup>th</sup>, 2012.

HONORS AND  
AWARDS

- Merit certificate awarded by the Central Board of Secondary Education (CBSE) for class XII examination for Chemistry and Mathematics, 2004.
- Selected among top 10% in the National Standard Examination in Physics conducted by the Indian Association of Physics Teachers, 2003
- One among 750 students from a pool of about 350,000 students to be awarded National Talent Search Examination Scholarship by the Central Government of India, 2000

OTHER  
ACTIVITIES

- Sanskrit language
- Carnatic Music