T^4 Conference

Combustion Section

(May 24-25, 2012)

http://theop11.chem.elte.hu/T4

Plenary lectures:

Henry J. Curran (NUIG, Galway, Ireland)
Differences in the combustion of oxygenated hydrocarbons

Alexander Konnov (Lund University, Sweden)
Physics and chemistry behind laminar flame propagation

Alison S. Tomlin (University of Leeds, UK)
The role of sensitivity analysis in model improvement

Workshop:

Transformations in combustion systems with low environmental impact
(organizer: Tamás Turányi)

Location: Room 158, Chemistry Building
25 minute lectures + 5 minutes for questions

24 May, Thursday

14:30 Henry J. Curran (NUIG, Galway, Ireland)
A detailed chemical kinetic model for syngas combustion
at elevated pressure

15:00 István Gy. Zsély (ELTE, Budapest, Hungary)
Quantification of the accuracy of detailed reaction mechanisms

15:30 Tamás Turányi (ELTE, Budapest, Hungary)
Mechanism optimization P4: progress, promises and possible pitfalls

16:00 break

16:15 Alexander A. Konnov (Lund University, Sweden)
NO concentrations in NH_3-doped CH_4+air flames measured using saturated LIF and probe sampling

16:45 Tamás Varga (ELTE, Budapest, Hungary)
Evaluation of ethyl iodide decomposition shock tube measurements

17:15 Discussions

25 May, Friday

14:30 György Lendvay (NSRC, Budapest, Hungary)
A comparative theoretical study of the kinetics and dynamics of the reaction of H atoms with ground-state and excited O_2

15:00 Alison S. Tomlin (University of Leeds, UK)
Estimating uncertainties in the derivation of phenomenological rate constants from theory

15:30 break

15:45 János Tóth (BME, Budapest, Hungary)
Investigating mechanisms: Is this what you need?

16:15 Sándor Dóbé (NSRC, Budapest, Hungary)
Atmospheric chemistry of second generation biofuels

16:45 Discussions