

Sunday, July 11, 2011: Welcoming Reception 6:00 p.m. Stata (Building 32) 4th floor, R&D Common

MONDAY MORNING, JULY 11, 2011

8:30 AM Conference Welcome and Overview

Session Chair: Nick Williams

Room 32-123

Room 32-123

8:40 AM **Plenary Lecture: KINETIC STUDIES OF CHIRAL AMPLIFICATION IN AUTOCATALYTIC REACTION!**

Donna Blackmond, Scripps Research Institute

9:40 AM Poster Highlights

9:50 AM Refreshment Break

ORAL PRESENTATIONS - Session 1

<p>Special Session: New Experimental Methods Chair: Robert Tranter Room 32-123</p>	<p>Catalysis 1 Chair: Preeti Aghalayam Room 32-141</p>	<p>Combustion Chemistry 1 Chair: O.O. Oluwole Room 32-144</p>	<p>Recombination, Roaming Chair: Ahren Jasper Room 32-155</p>
<p>10:20 AM PROBING KINETICS USING SYNCHROTRON RADIATION [#69] <i>Musahid Ahmed</i></p> <p>11:05 AM ULTRAFAST TIME-RESOLVED X-RAY ABSORPTION SPECTROSCOPY: WATCHING ATOMS DANCE [#270] <i>Christopher Milne</i></p> <p>11:45 AM FREE RADICAL HETEROGENEOUS OXIDATION TRAJECTORIES [#114] <i>Kevin Wilson</i> Lunch Discussion to follow</p>	<p>10:20 AM MECHANISMS AND RATES OF CATALYTIC REACTIONS FROM FIRST PRINCIPLES BASED THEORY [#253] <i>William Goddard</i></p> <p>11:10 AM THE DIRECT EPOXIDATION OF PROPENE IN THE EXPLOSIVE REGIME IN A MICROREACTOR - A STUDY INTO THE REACTION KINETICS [#17] <i>Alexander Niihuis</i></p> <p>11:35 AM COMPUTATIONAL INVESTIGATION ON KINETICS OF SULFUR POISONING ON NICKEL CATALYSTS [#97] <i>Tepei Oaura</i></p> <p>12:00 PM THE DEVELOPMENT OF QUANTITATIVE INSIGHT INTO ALKENE METATHESIS CHEMISTRY [#120] <i>Sara Kyrne</i></p>	<p>10:20 AM A REDUCED CHEMICAL KINETICS MECHANISM FOR NO_x EMISSION PREDICTION IN BIOMASS COMBUSTION [#106] <i>Ehsan Houshfar</i></p> <p>10:45 AM A COMBINED MODELING AND EXPERIMENTAL STUDY OF THE COMBUSTION OF 1,3 BUTADIENE [#205] <i>Marina Braun-Unkhoff</i></p> <p>11:10 AM RADICAL CHEMISTRY IN THE THERMAL DECOMPOSITION OF ANISOLE: FORMATION OF BENZENE AND NAPHTHALENE [#50] <i>Adam Scheer</i></p> <p>11:35 AM ON THE COMBUSTION KINETICS OF PROPANOL [#189] <i>Peter Lindstedt</i></p>	<p>10:20 AM MOLECULAR SIZE DEPENDENT FALL-OFF RATE CONSTANTS FOR THE RECOMBINATION REACTIONS OF ALKYL RADICALS WITH O₂ [#56] <i>Akira Miyoshi</i></p> <p>10:45 AM WHAT DO WE KNOW ABOUT THE ICONIC SYSTEM CH₃ + CH₃ ↔ C₂H₆? [#136] <i>David Golden</i></p> <p>11:10 AM THE KINETICS OF ROAMING RADICAL REACTIONS [#116] <i>Stephen Klippenstein</i></p> <p>12:00 PM COMPUTATIONAL STUDY ON THE RECOMBINATION REACTION BETWEEN BENZYL AND PROPARGYL RADICALS [#78] <i>Akira Matsugi</i></p>
<p>12:25 PM Break for Lunch (see map and restaurant info)</p>			

MONDAY AFTERNOON, JULY 11, 2011

ORAL PRESENTATIONS - Session 2

Rate Calculations Chair: Judit Zador Room 32-123	Rate Estimation Chair: Elke Goos Room 32-141	Low T Chair: Christa Fittschen Room 32-144	Catalysis 2 Chair: Guy Marin Room 32-155
<p>1:50 PM MULTI-STRUCTURAL VARIATIONAL TRANSITION STATE THEORY [#265] <i>Donald Truhlar</i></p>	<p>1:50 PM DETAILED CHEMICAL KINETIC MODELING OF JP-10 (EXO-TETRAHYDRODICYCLOPENTADIENE) HIGH TEMPERATURE OXIDATION [#51] <i>Gregory Magoon</i></p>	<p>1:50 PM MASTER EQUATION CALCULATIONS FOR HYDROCARBON AND NITROGENOUS SPECIES REACTION RATE CONSTANTS AT LOW PRESSURES AND TEMPERATURES [#113] <i>Gregory Smith</i></p>	<p>1:50 PM GAS PHASE KINETICS OF 1,3 BUTADIENE OXIDATION TO FURAN AND ISOBUTENE TO METHACROLEIN OVER BISMUTH-MOLYBDATE CATALYSTS [#255] <i>Patrick Mills</i></p>
<p>2:40 PM SEMI-CLASSICAL TRANSITION STATE THEORY APPLIED TO MULTIWELL CALCULATIONS ON THE OH+CO →H+CO₂ REACTION [#216] <i>Ralph Weston</i></p>	<p>2:15 PM ANALYSIS OF THE MAIN REACTION PATHWAYS ACTIVE DURING CYCLOPENTADIENE PYROLYSIS [#195] <i>Carlo Cavallotti</i></p>	<p>2:15 PM REACTION INTERMEDIATES AT LOW TEMPERATURES: REACTION OF NITROGEN MONOXIDE WITH DIOXYGEN IN COLD GLASSY HYDROCARBONS [#159] <i>Willem Koppelaar</i></p>	<p>2:15 PM OXIDATION OF CIS-CYCLOOCTENE ON HETEROGENEOUS MN-TMTACN CATALYSTS [#224] <i>Kathryn Bjorkman</i></p>
<p>3:05 PM NON-BORN–OPPENHEIMER MOLECULAR DYNAMICS AND TRANSITION STATE THEORY STUDY OF THE SPIN-FORBIDDEN H + HO₂ → H₂O + O(3P) REACTION [#177] <i>Ahren Jasper</i></p>	<p>2:40 PM TREE STRUCTURE FOR INTERMOLECULAR HYDROGEN ABSTRACTION IN HYDROCARBONS (C/H) AND GENERIC RATE CONSTANT RULES FOR ABSTRACTION BY VINYL RADICAL [#233] <i>Sumathv Raman</i></p>	<p>2:40 PM EXPERIMENTAL INVESTIGATIONS OF RADICAL-MOLECULE REACTIONS USING LOW TEMPERATURE SUPERSONIC FLOWS [#254] <i>Ian Sims</i></p>	<p>2:40 PM KINETICS OF NO_x REMOVAL BY PEROXYDISULFATE ACTIVATED BY TEMPERATURE, TRANSITION METALS IONS AND ULTRASOUND [#200] <i>Yusuf Adewuji</i></p>
<p>3:30 PM THERMOCHEMISTRY, REACTION PATHS AND KINETICS ON THE ISOCTANE RADICAL REACTIONS WITH O₂ [#240] <i>Suarwee Snitsirawat</i></p>	<p>3:05 PM RATE CONSTANT ESTIMATION FOR LARGE CHEMICAL KINETIC MODELS AND APPLICATION TO BIOFUELS [#178] <i>William Pitz</i></p>	<p>3:30 PM REACTIONS CH₃ + OH, CH₃ + CH₃, AND OH + OH STUDIED OVER 1 - 100 BAR PRESSURE AND 298 – 715 K TEMPERATURE RANGES [#223] <i>Lev Krasnoperov</i></p>	<p>3:05 PM KINETIC STUDY OF COBALT(II) CATALYZED HYDROPEROXIDE ACTIVATION [#142] <i>Ive Hermans</i></p>
<p>3:55 PM THEORETICAL STUDY ON THE MECHANISM AND KINETICS OF THE REACTION OF PHENYL RADICAL WITH PROPYLENE [#238] <i>Vadim Kislov</i></p>	<p>3:30 PM METALLO-CATALYSTS FOR DESTRUCTION OF NEUTRAL ORGANOPHOSPHORUS PESTICIDES IN ALCOHOL. LARGE RATE ACCELERATIONS BROUGHT ON BY A MEDIUM EFFECT [#18] <i>R. Stan Brown</i></p>	<p>3:55 PM PULSED LAVAL NOZZLE STUDIES OF THE KINETICS OF REACTIONS BETWEEN OH AND VARIOUS OXYGENATED VOCS AT VERY LOW TEMPERATURES [#141] <i>Robin Shannon</i></p>	
<p>4:20 PM</p>	<p style="text-align: center;">Adjourn to Poster Session (Sala de Puerto Rico, Building W-20 2nd floor)</p>		

TUESDAY MORNING, JULY 12, 2011

Session Chair: Ivo Hermans Room 32-123

8:30 AM **Plenary Lecture: HOMOLYTIC C-H BOND ACTIVATION: THE ROLE OF OXYGEN-CENTERED RADICALS AND MECHANISTIC ASPECTS**

Helmut Schwarz, Technische Universität Berlin

9:30 AM Poster Awards from Monday

9:45 AM Refreshment Break

ORAL PRESENTATIONS - Session 3

Butanol Chair: Mani Sarathy Room 32-123	De-Polymerization & Ring-Opening Pyrolysis Chair: Kevin Van Geem Room 32-141	Atoms & Ions Chair: Hans-Heinrich Carstensen Room 32-144	Reaction Kinetics Chair: Ravi Fernandes Room 32-155
10:15 AM RATES OF H-ABSTRACTION FROM OXYGENATES; HOW DOES THESE DIFFER FROM HYDROCARBONS? [#62] <i>Henry Curran</i>	10:15 AM CHEMICAL ACTIVATION REACTIONS OF CYCLIC ALKANE, ETHER AND TRICYCLO DECANE RING-OPENED DIRADICALS WITH MOLECULAR OXYGEN: THERMOCHEMISTRY, REACTION PATHS AND KINETICS [#176] <i>Itsaso Auzumendi-Murua</i>	10:15 AM KINETICS OF ELEMENTARY STEPS IN THE REACTION OF ATOMIC BROMINE WITH 2,3-DIMETHYL-2-BUTENE UNDER ATMOSPHERIC CONDITIONS [#157] <i>Patrick Laine</i>	10:15 AM COMPOSITION BASED MODELING [#1] <i>Steve Jaffe</i>
	10:40 AM MODELING THE THERMAL REARRANGEMENTS OF BICYCLIC MONOTERPENES [#161] <i>Nick Vandewiele</i>	10:40 AM THEORY OF ELECTROCHEMICAL KINETICS IN CONCENTRATED SOLUTIONS WITH APPLICATIONS TO LI-ION BATTERIES [#256] <i>Martin Bazant</i>	10:40 AM HIGH TEMPERATURE DISSOCIATION OF O-BENZYNE AND C6H5F [#232] <i>Patrick Lynch</i>
11:05 AM COMBUSTION OF THE BUTANOL ISOMERS: REACTION PATHWAYS AT ELEVATED PRESSURES FROM LOW-TO-HIGH TEMPERATURES [#84] <i>William Green</i>	11:05 AM FIRST PRINCIPLES PREDICTION OF RATE COEFFICIENTS IN FREE-RADICAL POLYMERIZATION: SCOPE AND LIMITATIONS [#70] <i>Michelle Coote</i>	11:05 AM REACTIONS OF SULFUR ATOMS WITH H2 AND CS2: THE IMPORTANCE OF SPIN-FORBIDDEN PATHWAYS [#220] <i>Paul Marshall</i>	11:05 AM HIGH TEMPERATURE RATE CONSTANTS FOR D+C2H6 AND C3H8 [#64] <i>Joe Michael</i>
11:30 AM MULTI-SPECIES MEASUREMENTS OF N-BUTANOL PYROLYSIS BEHIND REFLECTED SHOCK WAVES [#66] <i>David Davidson</i>		11:30 AM MONTE CARLO / RRKM / CLASSICAL TRAJECTORIES MODELING OF COLLISIONAL EXCITATION AND DISSOCIATION OF IONS IN MULTIPLE COLLISION CELLS OF MASS SPECTROMETERS [#237] <i>Vadim Knyazev</i>	11:30 AM A SHOCK TUBE STUDY ON THE REACTION OF CYCLOHEXANE WITH H-ATOMS AND THE THERMAL DECOMPOSITION OF 1-HEXENE-6-YL RADICALS [#130] <i>Sebastian Peukert</i>
11:55 AM DETAILED KINETIC MODELING OF PYROLYSIS AND COMBUSTION OF N-BUTANOL [#190] <i>Alessio Frassoldati</i>	11:55 AM RATES AND MECHANISMS OF THE THERMAL GAS-PHASE ISOMERIZATIONS AND DECOMPOSITIONS OF ETHYLCYCLOPROPANE AND 1,1-DIETHYLCYCLOPROPANE [#150] <i>David Lewis</i>	11:55 AM GAS PHASE ION CHEMISTRY: FROM ALPHA NUCLEOPHILES TO ALPHA CENTAURI [#180] <i>Veronica Bierbaum</i>	11:55 AM SHOCK TUBE STUDY ON THE REACTIONS NCN + H AND NCN + O [#110] <i>Gernot Friedrichs</i>
12:20 PM RATE CONSTANTS FOR HYDROGEN-ABSTRACTION BY HO2• FROM n-BUTANOL [#61] <i>Cheng-Wen Zhou</i>	12:20 PM DETAILED KINETIC MODELING OF PYROLYSIS OF POLYISOPRENE [#251] <i>Vinu Ravikrishnan</i>		12:20 PM ISOTOPE EFFECT OF DEUTERATED METHOXY RADICALS (CH2DO) REACTING WITH O2 [#63] <i>Hongyi Hu</i>
12:45 PM Butanol Lunch Discussion to follow	Afternoon free for Interactions or sightseeing		

5:00 p.m Poster Session Sala de Puerto Rico (Building W-20, Second floor)

7:00 p.m Conference Barbeque Sala de Puerto Rico

WEDNESDAY MORNING, JULY 13, 2011

Session Chair: David Golden

Room 32-123

8:30 AM **Plenary Lecture: CHEMICAL KINETICS AND EARTH'S ATMOSPHERE: PAST, PRESENT, AND FUTURE -A.R. Ravishankara, NOAA - Boulder**

9:30 AM Poster Awards from Tuesday

9:45 AM Refreshment Break

ORAL PRESENTATIONS - Session 4

Special Session: Uncertainty Chair: Craig Taatjes Room 32-123	Computational Chemistry Chair: Jorge Aguilera Iparraguirre Room 32-141	Particle Systems & Interstellar Gas Chair: Richard West Room 32-144	Pyrolysis & Oxidation Chair: Linda Broadbelt Room 32-155
10:15 AM INTRODUCTION <i>Craig Taatjes</i>	10:15 AM PROPYL + O₂: DEFINITIVE THEORY ON A PROTOTYPE OF HYDROCARBON OXIDATION [#266] <i>Wesley Allen</i>	10:15 AM OBSERVATIONS OF BROMINE EXPLOSIONS IN SMOG CHAMBER EXPERIMENTS ABOVE A MODEL SALT PAN [#219] <i>Cornelius Zetzsch</i>	10:15 AM GROUP-ADDITIVE KINETIC MODELING OF BIODIESEL PYROLYSIS: METHYLDECANOATE CASE STUDY [#36] <i>Kevin Van Geem</i>
10:25 AM METHODOLOGY AND INFRASTRUCTURE FOR PREDICTIVE MODELING [#165] <i>Michael Frenklach</i>	11:05 AM REACTION RATE RULES FOR HIGH AND LOW TEMPERATURE OXIDATION OF LARGE 2-METHYLALKANES [#148] <i>Mani Sarathy</i>	10:40 AM KINETIC MODEL FOR FLAME SYNTHESIS OF SILICA NANOPARTICLES FROM TEOS [#213] <i>Markus Kraft</i>	10:40 AM A KINETIC ANALYSIS OF THE SELECTIVE REMOVAL OF ETHYLENE AND PROPYLENE FROM SYNGAS VIA PARTIAL OXIDATION [#231] <i>Stephanie Villano</i>
11:05 AM THE ROLE OF SENSITIVITY ANALYSIS IN MODEL IMPROVEMENT [#122] <i>Alison Tomlin</i>	11:30 AM ON UNDERSTANDING THE TEMPERATURE DEPENDENCE OF THE RATE CONSTANT FOR THE REACTION C ₂ H ₅ + HBr → C ₂ H ₆ + Br [#248] <i>Paul Marshall & David Golden</i>	11:05 AM REDUCTION AND ANALYSIS OF DETAILED KINETICS FOR MODELING TiO ₂ NANOPARTICLE SYNTHESIS IN FLAME REACTORS [#24] <i>Maulak Mehta</i>	11:05 AM SHOCK TUBE MEASUREMENTS OF IGNITION DELAY TIMES AND OH AND H ₂ O SPECIES TIME-HISTORIES IN 3-PENTANONE/O ₂ /AR MIXTURES [#65] <i>David Davidson</i>
11:45 AM DETERMINATION OF ARRHENIUS PARAMETERS BASED ON BOTH DIRECT AND INDIRECT MEASUREMENTS [#258] <i>Tamas Turanyi</i>	11:55 AM AN RRKM/ME ANALYSIS OF THE DECOMPOSITION KINETICS ACTIVE ON THE C ₇ H ₆ POTENTIAL ENERGY SURFACE [#163] <i>Daniela Polino</i>	11:30 AM REACTION KINETICS IN INTERSTELLAR CLOUDS OF GAS AND DUST: THE ROLES OF SURFACE AND GAS-PHASE CHEMISTRY [#267] <i>Eric Herbst</i>	11:30 AM FORMATION OF FUSED-RING AROMATIC COMPOUNDS FROM THE PYROLYTIC REACTIONS OF THE PHENYL RADICAL WITH ACETYLENE [#144] <i>Andrea Comandini</i>
Lunch Discussion to follow			11:55 AM A QUANTITATIVE KINETIC ANALYSIS OF CO ELIMINATION FROM PHENOXY RADICALS [#218] <i>Hans-Heinrich Carstensen</i>
12:25 PM	Break for Lunch (see map and restaurant info)		

WEDNESDAY AFTERNOON, JULY 13, 2011

ORAL PRESENTATIONS - Session 5

Atmospheric Chair: Theodore Dibble Room 32-123	Mechanisms (Condensed Phase) Chair: Carl Schiesser Room 32-141	Peroxy Chair: Akira Miyoshi Room 32-144	Combustion Chemistry 2 Chair: Anthony Dean Room 32-155
1:50 PM TEMPERATURE DEPENDENT RATE COEFFICIENTS FOR OH + BUTANOL REACTIONS IN THE GAS PHASE [#49] <i>Max McGillen</i>	1:50 PM APPLICATION OF PSEUDO-FIRST-ORDER KINETICS TO FUNDAMENTAL ORGANIC REACTIONS [#10] <i>Vernon Parker</i>	1:50 PM DIRECT DYNAMICS VTST STUDIES OF UNIMOLECULAR REACTIONS OF N-PROPYL PEROXY RADICAL [#45] <i>Feng Zhang</i>	1:50 PM IMPROVED REACTION MECHANISM FOR COMBUSTION OF CORE COMPONENTS [#38] <i>Chitral Naik</i>
2:15 PM A THERMODYNAMIC AND KINETIC STUDY OF THE C ₆ H ₅ C(=O) + O ₂ REACTION [#156] <i>Joseph Bozzelli</i>		2:15 PM PRESSURE DEPENDENT OH YIELDS IN ALKENE + HO ₂ REACTIONS: A THEORETICAL STUDY [#164] <i>Judit Zador</i>	2:15 PM ON THE CHEMICAL KINETICS OF AN UNSATURATED C ₇ ESTER: METHYL 3 HEXENOATE IGNITION AND SPECIATION STUDIES [#134] <i>Scott Waanon</i>
2:40 PM THEORETICAL STUDY OF THE METHACROLEIN – OH REACTION IN AIR [#183] <i>Gabriel da Silva</i>	2:40 PM DEVELOPMENT AND APPLICATION OF A REAXFF REACTIVE FORCE FIELD FOR HYDROCARBON CRACKING ON A IRON EXCHANGED ZEOLITE [#171] <i>Kaushik Joshi</i>	2:40 PM MINOR PRODUCTS ANALYSIS DURING THE LOW TEMPERATURE OXIDATION OF ALKANES [#16] <i>Frederique Battin-Leclerc</i>	2:40 PM AN EXPERIMENTAL AND KINETIC MODELING STUDY OF N-PROPYLBENZENE OXIDATION AT TEMPERATURES OF 500–1000 K [#167] <i>Saeed Jahangarian</i>
3:05 PM ISOLATING INDIVIDUAL STEPS IN THE OXIDATION OF LARGE HYDROCARBONS: FORMATION OF SECONDARY ORGANIC AEROSOL VIA THE DIRECT PHOTOLYTIC GENERATION OF RADICAL SPECIES [#246] <i>Jesse Kroll</i>	3:05 PM STUDIES OF KINETICS AND MECHANISM OF REDOX REACTION BETWEEN GOLD(III) CHLORIDE COMPLEXES AND OXALIC ACID [#37] <i>Krzysztof Paclawski</i>		3:05 PM UPDATED CHEMICAL REACTION MECHANISM FOR METHANE COMBUSTION AT HIGH PRESSURE [#194] <i>Mayun Goswami</i>
3:30 PM CHEMICAL FEEDBACKS ON THE ATMOSPHERIC LIFETIME OF NO AND NO₂ RADICALS [#14] <i>Ron Cohen</i>	3:30 PM KINETICS OF CO _x FORMATION IN MC OXIDATION OF P-XYLENE [#99] <i>Weizhen Sun</i>	3:30 PM SYNCHROTRON PHOTOIONIZATION MEASUREMENTS OF BIOFUEL AUTOIGNITION CHEMISTRY: LOW-TEMPERATURE OXIDATION OF KETONES [#127] <i>Subith Vasu</i>	3:30 PM MODELING THE COMBUSTION OF HIGH MOLECULAR WEIGHT FUELS BY A FUNCTIONAL GROUP APPROACH [#235] <i>Marco Mehl</i>
	3:55 PM FIRST PRINCIPLE INVESTIGATIONS AND MOLECULAR DYNAMICS SIMULATIONS OF HETEROGENEOUS REACTION MECHANISM OF FORMALDEHYDE ON Fe(001) SURFACE AND COMPARISON WITH EXPERIMENTAL DATA [#245] <i>Takahiro Yamada</i>	3:55 PM LOW-TEMPERATURE PEROXY RADICAL ISOMERISATIONS IN ALKANE AUTOXIDATION AND ATMOSPHERIC CHEMISTRY [#260] <i>Ive Hermans</i>	3:55 PM KINETIC RESULTS FROM THE EXPERIMENTAL COMBUSTION OF CYCLOPENTADIENE DERIVED FROM A NEW C ₅ [#111] <i>Robert Butler</i>
4:20 PM	Adjourn to Poster Session (Sala de Puerto Rico, Building W20 Second Floor)		

THURSDAY, JULY 14, 2011

Session Chair: Anthony Dean Room 32-123

8:30 AM **Plenary Lecture: A LASER FLASH PHOTOLYSIS STUDY OF CO₂ REDUCTION: KINETICS LEADING TO THE DESIGN OF A RENEWABLE REDUCING AGENT** - Barry Carpenter, Cardiff University

9:30 AM Poster Awards from Wednesday

9:45 AM Refreshment Break

ORAL PRESENTATIONS - Session 6

Special Session: Macromolecular Stress & Movement Chair: Nick Williams Room 32-123	R+O₂ Chair: Jesse Kroll Room 32-141	Transients in Solution Chair: Francisco Sanchez Burgos Room 32-144	Nitrogen Chair: Gernot Friedrichs Room 32-155
10:15 AM KINETICS OF REACTIONS ACCELERATED BY MECHANICAL FORCE [#123] <i>Stephen Craig</i>	10:15 AM KINETICS AND OH YIELD MEASUREMENTS TO CONSTRAIN ENERGY BARRIERS IN THE CH ₃ OCH ₂ + O ₂ REACTION [#132] <i>Paul Seakins</i>	10:15 AM DYNAMICS OF THE FORMATION OF SILVER DIMERS (AG₂): SILVER NANOPARTICLES FROM CONCEPTION TO BIRTH [#271] <i>Tito Scaiano</i>	10:15 AM AB INITIO KINETICS AND MECHANISMS FOR SUBLIMATION OF AMMONIUM SALTS [#125] <i>M.C. Lin</i>
	10:40 AM ON PIMS STUDY OF METHYLPHENYL OXIDATION: ISOMER-SPECIFIC PRODUCT DETECTION [#244] <i>Adam Trevitt</i>		10:40 AM A DETAILED CHEMICAL KINETIC MECHANISM FOR THE OXIDATION OF MONOMETHYLHYDRAZINE [#170] <i>Hongyan Sun</i>
10:55 AM BARRIER COMPRESSION AND TUNNELING IN ENZYME CATALYSED REACTIONS [#21] <i>Nigel Scrutton</i>	11:05 AM INTERACTIONS OF THEORY, MODELING AND EXPERIMENT IN DETERMINING THE KINETICS AND MECHANISM OF ELEMENTARY REACTIONS [#242] <i>Craig Taatjes</i>	11:05 AM KINETICS OF THE LIQUID PHASE OXIDATION OF RENEWABLE OLEFINS [#139] <i>Ive Hermans</i>	11:05 AM VAPOR PHASE NITRATION OF ALKANE: UNDERSTANDING THE KINETICS OF KEY ELEMENTARY REACTIONS [#98] <i>Debashis Chakraborty</i>
11:40 AM CHOREOGRAPHING AN ENZYME'S DANCE - DYNAMICS DURING CATALYSIS [#272] <i>Dorothee Kern</i>		11:30 AM REACTION MECHANISMS OF CARBONATE RADICALS WITH AMINOCARBOXYLATE COMPLEXES IN AQUEOUS SOLUTIONS A PULSE RADIOLYSIS STUDY [#124] <i>Israel Zilbermann</i>	11:30 AM IMPROVED RATE CONSTANTS FOR NITROUS ACID DECOMPOSITION IN AQUEOUS SOLUTION AND KINETIC MODELLING OF NO _x FORMATION FROM NITROSATING AGENTS [#68] <i>Mark Rayson</i>
Lunch Discussion to follow			
Conference Adjourns			