



*Founded in 1931*

**GORDON RESEARCH CONFERENCES** *frontiers of science*  
512 Liberty Lane, West Kingston, RI 02892  
Phone: 401 783-4011 Fax: 401 783-7644  
E-Mail: [grc@grc.org](mailto:grc@grc.org)  
World Wide Web: <http://www.grc.org>

**Nancy Ryan Gray, Ph.D.**  
Director

**2011 GORDON RESEARCH CONFERENCE  
on DYNAMICS AT SURFACES**

**FINAL PROGRESS REPORT**  
DEPARTMENT OF ENERGY  
GRANT NO. DE-SC006151

The Gordon Research Conference on DYNAMICS AT SURFACES was held at Salve Regina University, Newport, RI August 7-1, 2011. The Conference was well-attended with 137 participants (attendees list attached). The attendees represented the spectrum of endeavor in this field coming from academia, industry, and government laboratories, both U.S. and foreign scientists, senior researchers, young investigators, and students. Of the 137 attendees, 53 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 53 respondents, 11% were Minorities – 2% Hispanic, 9% Asian and 0% African American. Approximately 20% of the participants at the 2011 meeting were women.

In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field. There was a conscious effort to stimulate lively discussion about the key issues in the field today. Time for formal presentations was limited in the interest of group discussions. In order that more scientists could communicate their most recent results, poster presentation time was scheduled. Attached is a copy of the formal schedule and speaker program and the poster program. In addition to these formal interactions, "free time" was scheduled to allow informal discussions. Such discussions are fostering new collaborations and joint efforts in the field.

Thank you for your support of this Conference. As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings. If you wish any further details, please feel free to contact me. Thank you.

Sincerely,  
Geert-Jan Kroes, Conference Chairperson  
LEIDEN INSTITUTE OF CHEMISTRY

## **Dynamics at Surfaces**

Reaction Dynamics, Scattering Dynamics, and Molecular and Structural Dynamics at Surfaces and Interfaces

August 7-12, 2011  
Salve Regina University  
Newport, RI

Chair:  
**Geert-Jan Kroes**

Vice Chair:  
**Greg Sitz**

---

### **Related Meeting Information**

The Dynamics at Surfaces Gordon Research Conference was held in conjunction with the **Dynamics at Surfaces Gordon-Kenan Research Seminar**. Please refer to the Dynamics at Surfaces GKRS web page for more information.

---

The 2011 Gordon Conference on Dynamics at Surfaces is the 32nd anniversary of a meeting held every two years that is attended by leading researchers in the area of experimental and theoretical dynamics at liquid and solid surfaces. The conference focuses on the dynamics of the interaction of molecules with either liquid or solid surfaces, the dynamics of the outermost layer of liquid and solid surfaces and the dynamics at the liquid-solid interface. Specific topics that are featured include state-to-state scattering dynamics, chemical reaction dynamics, non-adiabatic effects in reactive and inelastic scattering of molecules from surfaces, single molecule dynamics at surfaces, surface photochemistry, ultrafast dynamics at surfaces, and dynamics at water interfaces. The conference brings together investigators from a variety of scientific disciplines including chemistry, physics, materials science, geology, biophysics, and astronomy. The conference will be preceded by a **Gordon-Kenan Research Seminar** for young researchers (graduate students and post-docs).

### **Young Investigator Competition**

A popular feature of this conference is the Young Investigator Competition. All undergraduate students, graduate students, and postdoctoral associates are defined as young investigators and are eligible to enter this "best poster" competition. Young investigators present their posters during the first days of the conference. On the third day, the conference attendees vote by written ballot to select the top three posters. The top three winners each give an oral presentation describing their research during the Thursday evening session. This competition is a unique feature of the meeting and is highly regarded by the attendees, who have the opportunity to learn about cutting edge research delivered by the most promising young scientists in the field. In 2009, \$500 in room and board support was provided to all poster presenters who entered the Young

Investigator Competition, and we hope to provide a similar level of support in 2011. See the photo of the three investigators who won the competition in 2009.

**Note:** The Chair has created a flyer to advertise the GRC and GKRS, which can be downloaded by clicking [here](#) (PDF Format, right-click and "Save As" to download).

## Contributors



Agilent Technologies



Universiteit Leiden

**SPECS™**

**AIP** | Journal of  
Chemical Physics

U.S. DEPARTMENT OF  
**ENERGY**



Gordon  
Research  
Conferences



Predominantly  
Undergraduate  
Institution Fund (PUI)



Carl Storm  
International  
Diversity Fellowship

RSC Publishing

**PCCP**

RSC Publishing

Faraday  
Discussions



## SUNDAY

2:00 pm - 9:00 pm	Arrival and Check-in (Office Closed 6:00 pm - 7:00 pm)
6:00 pm	Dinner
7:30 pm - 7:40 pm	Welcome / Introductory Comments by GRC Site Staff
7:40 pm - 9:30 pm	<b>Dynamics of Chemical Reactions at Surfaces I</b> Discussion Leader: <b>Bret Jackson</b> (University of Massachusetts at Amherst) <b>Rainer Beck</b> (Ecole Polytechnique Fédérale de Lausanne) "Steric Effects in the Chemisorption of vibrationally Excited Methane"
7:40 pm - 8:20 pm	Discussion
8:20 pm - 8:35 pm	<b>Michael White</b> (Brookhaven National Laboratory and Stony Brook University) "Pump-Probe studies of photodesorption and photoreaction on the TiO <sub>2</sub> (110) surface"
8:35 pm - 9:15 pm	

9:15 pm - 9:30 pm Discussion

9:40 pm Reception

## MONDAY

7:30 am - 8:30 am Breakfast

### Non-adiabatic Dynamics at Surfaces

Discussion Leader: **Daniel Auerbach** (University of California at Santa Barbara)

9:00 am - 9:40 am **Alec Wodtke** (Georg-August University of Göttingen and Max Planck Institute for Biophysical Chemistry)

"Vibrational overtone excitation of molecules colliding with metal surfaces: Can electronic friction theories explain it?"

9:40 am - 10:00 am Discussion

10:00 am Group Photo / Coffee Break

10:30 am - 11:10 am **John Tully** (Yale University)

"Nonadiabatic Dynamics at Metal Surfaces"

11:10 am - 11:30 am Discussion

11:30 am - 12:10 pm **Jakob Schiøtz** (Technical University of Denmark)

"Hot-electron induced reactions at surfaces: Beyond ground-state DFT"

12:10 pm - 12:30 pm Discussion

12:30 pm Lunch

1:30 pm - 4:00 pm Free Time

4:00 pm - 6:00 pm Poster Session

6:00 pm Dinner

### Dynamics of electrons at surfaces

Discussion Leader: **Fumio Komori** (University of Tokyo)

7:30 pm - 8:10 pm **Xiaoyang Zhu** (University of Texas at Austin)

"Excitons at surfaces and interfaces"

8:10 pm - 8:30 pm Discussion

8:30 pm - 9:10 pm **Sebastian Loth** (IBM Research, Almaden)

"A close-up view of spin dynamics using scanning tunneling microscopy"

9:10 pm - 9:30 pm Discussion

9:30 pm - 11:30 pm Poster Session

## TUESDAY

7:30 am - 8:30 am Breakfast

### Dynamics of Chemical Reactions at Surfaces II

Discussion Leader: **Art Utz** (Tufts University)

9:00 am - 9:40 am **Liv Hornekær** (Aarhus University)

"Hydrogen interaction with graphene"

9:40 am - 10:00 am Discussion  
10:00 am Coffee Break  
10:30 am - 11:10 am **Axel Groß** (Universität Ulm)  
"Ab initio molecular dynamics studies of adsorption on surfaces"  
11:10 am - 11:30 am Discussion  
11:30 am - 12:10 pm **Sylvia Ceyer** (Massachusetts Institute of Technology)  
"Si Reaction Dynamics: Importance of the Initial Collision"  
12:10 pm - 12:30 pm Discussion  
12:30 pm Lunch  
1:30 pm - 4:00 pm Free Time  
4:00 pm - 6:00 pm Poster Session  
6:00 pm Dinner  
7:30 pm - 9:30 pm **Single Molecule Dynamics**  
Discussion Leader: **Hrvoje Petek** (University of Pittsburgh)  
7:30 pm - 8:10 pm **Charles Sykes** (Tufts University)  
"An atomic scale view of Metal Alloy Surface Chemistry"  
8:10 pm - 8:30 pm Discussion  
8:30 pm - 9:10 pm **Zdenek Dohnalek** (Pacific Northwest National Laboratory)  
"STM Studies of Adsorbate Dynamics on TiO<sub>2</sub>(110)"  
9:10 pm - 9:30 pm Discussion  
9:30 pm - 11:30 pm Poster Session

## WEDNESDAY

7:30 am - 8:30 am Breakfast  
9:00 am - 12:30 pm **Ultrafast Dynamics at Surfaces**  
Discussion Leader: **Kurt Kolasinski** (West Chester University)  
9:00 am - 9:40 am **Wilfried Wurth** (University of Hamburg)  
"Ultrafast dynamics at surfaces probed with soft X-ray spectroscopy"  
9:40 am - 10:00 am Discussion  
10:00 am Coffee Break  
10:30 am - 11:10 am **Yoshiyasu Matsumoto** (Kyoto University)  
"Non-adiabatic coupling of adsorbates desorbing from metal surfaces  
studied by time-resolved sum frequency generation spectroscopy with  
heterodyne detection"  
11:10 am - 11:30 am Discussion  
11:30 am - 12:10 pm **Reinhard Kienberger** (Technische Universität München)  
"Attosecond spectroscopy on solid surfaces"  
12:10 pm - 12:30 pm Discussion  
12:30 pm Lunch

1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:00 pm - 7:30 pm	<u>Business Meeting</u>  (Nominations for the next Vice Chair; Fill out Conference Evaluation Forms; Discuss future Site & Scheduling preferences; Election of the next Vice Chair)
7:30 pm - 9:30 pm	<b>Dynamics of Photochemical Reactions at Surfaces</b>  Discussion Leader: <b>Eckart Hasselbrink</b> (Universität Duisburg-Essen)
7:30 pm - 8:10 pm	<b>Peter Saalfrank</b> (University of Potsdam) "Electronic friction in surface photochemistry and molecule-surface scattering"
8:10 pm - 8:30 pm	Discussion
8:30 pm - 9:10 pm	<b>Xueming Yang</b> (Dalian Institute of Chemical Physics) "Dynamics of photocatalytic dissociation of alcohols on TiO <sub>2</sub> (110)"
9:10 pm - 9:30 pm	Discussion
9:30 pm - 11:30 pm	Poster Session

## THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	<b>Dynamics at Water Interfaces</b>  Discussion Leader: <b>Bruce Kay</b> (Pacific Northwest National Laboratory)
9:00 am - 9:40 am	<b>Douglas Tobias</b> (University of California at Irvine) "Dynamics at aqueous surfaces relevant to atmospheric chemistry"
9:40 am - 10:00 am	Discussion
10:00 am	Coffee Break
10:30 am - 11:10 am	<b>Angelos Michaelides</b> (University College London) "How quantum nuclear dynamics affects hydrogen bonds"
11:10 am - 11:30 am	Discussion
11:30 am - 12:10 pm	<b>Heon Kang</b> (Seoul National University) "Slow reaction dynamics at ice surfaces"
12:10 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:45 pm - 9:15 pm	<b>Young Investigator Program</b>  Discussion Leader: <b>Satrajit Adhikari</b> (Indian Association for the Cultivation of Science)

7:45 pm - 8:05 pm Young investigator #1  
8:05 pm - 8:15 pm Discussion  
8:15 pm - 8:35 pm Young investigator #2  
8:35 pm - 8:45 pm Discussion  
8:45 pm - 9:05 pm Young investigator #3  
9:05 pm - 9:15 pm Discussion  
9:20 pm - 11:20 pm Poster Session

**FRIDAY**

7:30 am - 8:30 am Breakfast  
9:00 am Departure

**Dynamics at Surfaces (2011)**

Name	Organization	Participation	Status
ADHIKARI, SATRAJIT	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	Discussion Leader	Registered
ALDUCIN OCHOA, MAITE	CSIC Q2818002D	Poster Presenter	Registered
ALEXANDER, WILLIAM A	MONTANA STATE UNIVERSITY	Poster Presenter	Registered
ARASA, CARINA	UNIVERSITY OF LEIDEN	Poster Presenter	Registered
AUERBACH, DANIEL J	DJ AUERBACH & ASSOCIATES	Speaker	Registered
BALGAR, THORSTEN	UNIVERSITY OF DUISBURG-ESSEN	Poster Presenter	Registered
BARTELS, NILS	UNIVERSITY GOETTINGEN	Poster Presenter	Registered
BECK, RAINER D	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	Speaker	Registered
BHATTACHARYA, ATANU	BROOKHAVEN NATIONAL LAB	Poster Presenter	Registered
BISSON, REGIS	PHYSIQUE DES INTERACTIONS IONIQUES ET MOLECULAIRES	Poster Presenter	Registered
BLAIR, MICHAEL	MIT	Poster Presenter	Registered
BROWN, RYAN D	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
BURGHAUS, UWE	NORTH DAKOTA STATE UNIVERSITY	Poster Presenter	Registered
CAMILLONE, NICHOLAS	BROOKHAVEN NATIONAL LABORATORY	Attendee	Registered
CARR, ADRA V	UNIVERISTY OF COLORADO BOULDER	Poster Presenter	Registered
CEYER, SYLVIA T	MIT	Speaker	Registered
CHAKAROV, DINKO V	CHALMERS UNIVERSITY OF TECHNOLOGY	Poster Presenter	Registered
CHEN, JIAN-CHENG	LEIDEN UNIVERSITY	Poster Presenter	Registered
CHEN, NAN	TUFTS UNIVERSITY	Poster Presenter	Registered
CLARKE, HEATHER	CABOT CORPORATION	Attendee	Registered
DAIGLE, APRIL D	DARTMOUTH COLLEGE	Poster Presenter	Registered
DEMPSEY, LOGAN	UNIVERSITY OF WISCONSIN - MADISON	Poster Presenter	Registered
DEN DUNNEN, ANGELA A	LEIDEN UNIVERSITY	Poster Presenter	Registered
DIAZ, CRISTINA	UNIVERSIDAD AUTONOMA DE MADRID	Poster Presenter	Registered
DOHNALEK, ZDENEK	PACIFIC NORTHWEST NATIONAL LABORATORY	Speaker	Registered

DOMBROWSKI, ERIC	TUFTS UNIVERSITY	Poster Presenter	Registered
FEDOSEEVA, MARINA	UNIVERSITY OF GENEVA	Poster Presenter	Registered
GADZUK, J. WILLIAM	NIST	Attendee	Registered
GASSIN, PIERRE-MARIE	C.E.A	Poster Presenter	Registered
GIESE, PHILIPP P	FRITZ HABER INSTITUT DER MAX-PLANCK GESELLSCHAFT	Poster Presenter	Registered
GOIKOETXEA , ITZIAR	CENTRO FISICA DE MATERIALES, CFM - CSIC	Poster Presenter	Registered
GOUMANS, THEODORUS PM	LEIDEN UNIVERSITY	Poster Presenter	Registered
GROOT, IRENE M. N.	FRITZ-HABER-INSTITUT DER MAX-PLANCK- GESELLSCHAFT	Poster Presenter	Registered
GROSS, AXEL	ULM UNIVERSITY	Speaker	Registered
GUO, SI YUE	UNIVERSITY OF TORONTO	Poster Presenter	Registered
HAHN, CHRISTINE	LEIDEN UNIVERSITY	Poster Presenter	Registered
HAN, DONGWON	UNIVERSITY OF MASSACHUSETTS AMHERST	Poster Presenter	Registered
HARRIS, ALEXANDER L	BROOKHAVEN NATIONAL LABORATORY	Attendee	Registered
HASSELBRINK, ECKART	UNIVERSITAT DUISBURG-ESSEN	Discussion Leader	Registered
HELLBERG, LARS A	CHALMERS UNIVERSITY OF TECHNOLOGY	Poster Presenter	Registered
HOCKE, NILS	GEORG-AUGUST-UNIVERSITAT GOETTINGEN	Poster Presenter	Registered
HOLLOWAY, STEPHEN	UNIVERSITY OF LIVERPOOL	Attendee	Registered
HORNEKAER, LIV H	UNIVERSITY OF AARHUS	Speaker	Registered
HUANG, KAI	UNIVERSITY OF TORONTO	Poster Presenter	Registered
HUNDT, PHIL MORTEN	ECOLE POLYTECHNIQUE FÉDÉRAL DE LAUSANNE	Poster Presenter	Registered
ILIE, CAROLINA C.	STATE UNIVERSITY OF NEW YORK AT OSWEGO	Poster Presenter	Registered
JACKSON, BRET E	UNIVERSITY OF MASSASHUSETTS AMHERST	Discussion Leader	Registered
JENSEN, STEPHEN	HARVARD UNIVERSITY	Poster Presenter	Registered
KANG, HEON	SEOUL NATIONAL UNIVERSITY, NS-80	Speaker	Registered
KAY, BRUCE D	PACIFIC NORTHWEST NATIONAL LABORATORY	Discussion Leader	Registered
KERSHIS, MATTHEW D	STONY BROOK UNIVERSITY	Attendee	Registered
KIENBERGER, REINHARD	MAX PLANCK INSTITUTE OF QUANTUM OPTICS	Speaker	Registered

KILLELEA, DAN R	THE UNIVERSITY OF CHICAGO	Poster Presenter	Registered
KLEYN, AART W	UNIVERSITY OF AMSTERDAM	Attendee	Registered
KOEHLER, SVEN P K	UNIVERSITY OF MANCHESTER	Poster Presenter	Registered
KOLASINSKI, KURT W	WEST CHESTER UNIVERSITY	Discussion Leader	Registered
KOMORI, FUMIO	UNIVERSITY OF TOKYO	Discussion Leader	Registered
KOWAL, SHAWN F	TUFTS UNIVERSITY	Poster Presenter	Registered
KRIX, DAVID	UNIVERSITY OF DUISBURG-ESSEN	Poster Presenter	Registered
KROES, GEERT-JAN	LEIDEN INSTITUTE OF CHEMISTRY	Chair	Registered
KWON, SEOK JOON	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
LAKE, RUSSELL E	NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY	Poster Presenter	Registered
LANCASTER, DIANE K	UNIVERSITY OF WISCONSIN, DEPARTMENT OF CHEMISTRY	Poster Presenter	Registered
LECHNER, BARBARA A. J.	UNIVERSITY OF CAMBRIDGE	Poster Presenter	Registered
LEON, CHRISTOPHER	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
LEWIS, TANZA L	UNIVERSITY OF CALIFORNIA, IRVINE	Poster Presenter	Registered
LIM, TINGBIN	UNIVERSITY OF TORONTO	Poster Presenter	Registered
LINDEN, STEFFEN S	PHYSICAL INSTITUTE, UNIVERSITY OF MUENSTER	Poster Presenter	Registered
LIU, WEI	FRITZ-HABER-INSTITUT DER MAX-PLANCK- GESELLSCHAFT	Poster Presenter	Registered
LOTH, SEBASTIAN	IBM RESEARCH - ALMADEN	Speaker	Registered
LOZANO, ARIEL	INSTITUTO DE FÍSICA DE ROSARIO (CONICET-UNR)	Poster Presenter	Registered
LU, SHAO-YU	TAMKUNG UNIVERSITY	Poster Presenter	Registered
LU, JESSICA W	VIRGINIA TECH	Poster Presenter	Registered
LU, ZHOU	PACIFIC NORTHWEST NATIONAL LABORATORY	Poster Presenter	Registered
LU, WENHAO	UNIVERSITY OF CALIFORNIA, RIVERSIDE	Poster Presenter	Registered
LUNTZ, ALAN C	IBM ALMADEN / SLAC, STANFORD	Poster Presenter	Registered
MARKS, MANUEL	UNIVERSITY OF MARBURG	Poster Presenter	Registered
MARTINEZ, UMBERTO	INTERDISCIPLINARY NANOSCIENCE	Poster	Registered

UM	CENTER (INANO)	Presenter	
MATSUMOTO, YOSHI	KYOTO UNIVERSTY	Speaker	Registered
MATSUSHIMA, TATSUO T	TSUKUBA UNIVERSITY	Poster Presenter	Registered
MAY, ROBERT A	PACIFIC NORTHWEST NATIONAL LAB	Poster Presenter	Registered
MCINTOSH, ELIZA M	UNIVERSITY OF CAMBRIDGE	Poster Presenter	Registered
MEYER, JOERG	TU MUEENCHEN	Poster Presenter	Registered
MICHAELIDES, ANGELOS	UNIVERSITY COLLEGE - LONDON	Speaker	Registered
MIFFLIN, AMANDA L	UNIVERSITY OF PUGET SOUND	Poster Presenter	Registered
MONCKTON, RHIANNON J	UNIVERSITY OF MANCHESTER	Attendee	Registered
MULLER, ERIC A	UNIVERSITY OF CALIFORNIA BERKELEY	Poster Presenter	Registered
MUNTEAN, STELA- ANDREA	EINDHOVEN UNIVERSITY OF TECHNOLOGY	Poster Presenter	Registered
NATHANSON, GILBERT M	UNIVERSITY OF WISCONSIN-MADISON	Poster Presenter	Registered
NATTINO, FRANCESCO	UNIVERSITEIT LEIDEN	Poster Presenter	Registered
NAVE, SVEN	UNIVERSITÉ PARIS-SUD 11	Poster Presenter	Registered
NIENHAUS, HERMANN	UNIVERSITY OF DUISBURG-ESSEN	Poster Presenter	Registered
NING, ZHANYU	UNIVERSITY OF TORONTO	Poster Presenter	Registered
PETEK, HRVOJE	UNIVERSITY OF PITTSBURGH	Discussion Leader	Registered
PETERSEN, POUL B	CORNELL UNIVERSITY	Poster Presenter	Registered
PETERSON, MARK	NORTHWESTERN UNIVERSITY	Poster Presenter	Registered
PETERSON, ERIC E	TUFTS UNIVERSITY	Poster Presenter	Registered
POTAPENKO, DENIS V	COLUMBIA UNIVERSITY	Poster Presenter	Registered
RAO, YI	COLUMBIA UNIVERSITY	Poster Presenter	Registered
RASMUSSEN, ANDREW M	NORTHWESTERN UNIVERSITY	Poster Presenter	Registered
ROWLANDS, DANIEL W	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
ROY, SHARANI	NORTHWESTERN UNIVERSITY	Poster Presenter	Registered

SAALFRANK, PETER	UNIVERSITAET POTSDAM	Speaker	Registered
SABIRIANOV, ILDAR	SUNY OSWEGO	Poster Presenter	Registered
SAHA, SWATILEKHA	RPI	Poster Presenter	Registered
SAHOO, TAPAS	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	Poster Presenter	Registered
SCHAFER, TIM	UNIVERSITY OF GOTTINGEN	Poster Presenter	Registered
SCHENK, MARKUS	MAX-PLANCK-INSTITUTE OF QUANTUM OPTICS	Poster Presenter	Registered
SCHIOTZ, JAKOB	TECHNICAL UNIVERSITY OF DENMARK	Speaker	Registered
SCHMIDT, JORDAN R	UW-MADISON	Poster Presenter	Registered
SCHULMEYER, THOMAS	SPECS SURFACE NANO ANALYSIS, INC.	Attendee	Registered
SIBENER, STEVEN J	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
SITZ, GREG	UNIVERSITY OF TEXAS AT AUSTIN	Vice Chair	Registered
SMITH, EVA H	CORNELL UNIVERSITY	Poster Presenter	Registered
SYKES, CHARLES E	TUFTS UNIVERSITY	Speaker	Registered
THOMAS, PHILLIP S	LEIDEN UNIVERSITY	Poster Presenter	Registered
TIWARI, ASHWANI K	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH	Poster Presenter	Registered
TOBIAS, DOUGLAS	UNIVERSITY OF CALIFORNIA	Speaker	Registered
TREMBLAY, JEAN CHRISTOPHE	UNIVERSITÄT POTSDAM	Poster Presenter	Registered
TULLY, JOHN C	YALE UNIVERSITY	Speaker	Registered
UTZ, ARTHUR L	TUFTS UNIVERSITY	Discussion Leader	Registered
VAN REIJZEN, MAARTEN ME	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
VELARDE, LUIS	PACIFIC NORTHWEST NATIONAL LABORATORY	Poster Presenter	Registered
WANG, HONGFEI	PACIFIC NORTHWEST NATIONAL LABORATORY	Poster Presenter	Registered
WANG, TUO	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
WHITE, MICHAEL G	BROOKHAVEN NATIONAL LAB AND STONY BROOK UNIVERSITY	Speaker	Registered
WILSON, DAN	STONY BROOK UNIVERSITY	Poster Presenter	Registered
WODTKE, ALEC	MAX-PLANK INSTITUT FUER BIOPHYSIKALISCHE CEMIE	Speaker	Registered
WURTH, WILFRIED	UNIVERSITAT HAMBURG	Speaker	Registered
WYRICK, JONATHAN	UNIVERSITY OF CALIFORNIA AT	Poster	Registered

	RIVERSIDE	Presenter	
<b>YANG, XUEMING</b>	DALIAN INSTITUTE OF CHEMICAL PHYSICS	Speaker	Registered
<b>YODER, BRUCE L</b>	UNIVERSITY OF BRITISH COLUMBIA	Poster Presenter	Registered
<b>ZACHARIAS, HELMUT</b>	WESTFÄLISCHE WILHELMSS-UNIVERSITÄT MÜNSTER	Poster Presenter	Registered
<b>ZAUM, CHRISTOPHER</b>	UNIVERSITY OF HANNOVER	Poster Presenter	Registered
<b>ZHOU, JIA</b>	BROOKHAVEN NATIONAL LABORATORY	Poster Presenter	Registered
<b>ZHU, XIAOYANG</b>	UNIVERSITY OF TEXAS AT AUSTIN	Speaker	Registered
<b>ZIEMKIEWICZ, MICHAEL P</b>	UNIVERSITY OF COLORADO, BOULDER	Poster Presenter	Registered

**137 Attendees**