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**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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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 As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings.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**

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### **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.

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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



Universiteit Leiden



U.S. DEPARTMENT OF  
**ENERGY**



## 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)
7:40 pm - 8:20 pm	<b>Rainer Beck</b> (Ecole Polytechnique Fédérale de Lausanne) "Steric Effects in the Chemisorption of Vibrationally Excited Methane"
8:20 pm - 8:35 pm	Discussion
8:35 pm - 9:15 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"

9:15 pm - 9:30 pm Discussion

9:40 pm Reception

## MONDAY

7:30 am - 8:30 am Breakfast

### 9:00 am - 12:30 pm **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

### 7:30 pm - 9:30 pm **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

### 9:00 am - 12:30 pm **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)**

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



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

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

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

<b>SAALFRANK, PETER</b>	UNIVERSITAET POTSDAM	Speaker	Registered
<b>SABIRIANOV, ILDAR</b>	SUNY OSWEGO	Poster Presenter	Registered
<b>SAHA, SWATILEKHA</b>	RPI	Poster Presenter	Registered
<b>SAHOO, TAPAS</b>	INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE	Poster Presenter	Registered
<b>SCHAFER, TIM</b>	UNIVERSITY OF GOTTINGEN	Poster Presenter	Registered
<b>SCHENK, MARKUS</b>	MAX-PLANCK-INSTITUTE OF QUANTUM OPTICS	Poster Presenter	Registered
<b>SCHIOTZ, JAKOB</b>	TECHNICAL UNIVERSITY OF DENMARK	Speaker	Registered
<b>SCHMIDT, JORDAN R</b>	UW-MADISON	Poster Presenter	Registered
<b>SCHULMEYER, THOMAS</b>	SPECS SURFACE NANO ANALYSIS, INC.	Attendee	Registered
<b>SIBENER, STEVEN J</b>	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
<b>SITZ, GREG</b>	UNIVERSITY OF TEXAS AT AUSTIN	Vice Chair	Registered
<b>SMITH, EVA H</b>	CORNELL UNIVERSITY	Poster Presenter	Registered
<b>SYKES, CHARLES E</b>	TUFTS UNIVERSITY	Speaker	Registered
<b>THOMAS, PHILLIP S</b>	LEIDEN UNIVERSITY	Poster Presenter	Registered
<b>TIWARI, ASHWANI K</b>	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH	Poster Presenter	Registered
<b>TOBIAS, DOUGLAS</b>	UNIVERSITY OF CALIFORNIA	Speaker	Registered
<b>TREMBLAY, JEAN CHRISTOPHE</b>	UNIVERSITÄT POTSDAM	Poster Presenter	Registered
<b>TULLY, JOHN C</b>	YALE UNIVERSITY	Speaker	Registered
<b>UTZ, ARTHUR L</b>	TUFTS UNIVERSITY	Discussion Leader	Registered
<b>VAN REIJZEN, MAARTEN ME</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Poster Presenter	Registered
<b>VELARDE, LUIS</b>	PACIFIC NORTHWEST NATIONAL LABORATORY	Poster Presenter	Registered
<b>WANG, HONGFEI</b>	PACIFIC NORTHWEST NATUIONAL LABORATORY	Poster Presenter	Registered
<b>WANG, TUO</b>	UNIVERSITY OF CHICAGO	Poster Presenter	Registered
<b>WHITE, MICHAEL G</b>	BROOKHAVEN NATIONAL LAB AND STONY BROOK UNIVERSITY	Speaker	Registered
<b>WILSON, DAN</b>	STONY BROOK UNIVERSITY	Poster Presenter	Registered
<b>WODTKE, ALEC</b>	MAX-PLANK INSTITUT FUER BIOPHYSIKALISCHE CEMIE	Speaker	Registered
<b>WURTH, WILFRIED</b>	UNIVERSITAT HAMBURG	Speaker	Registered
<b>WYRICK, JONATHAN</b>	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 WILHELMS-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
<b>137 Attendees</b>			