

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

World Wide Web: <http://www.grc.org>

Nancy Ryan Gray, Ph.D.
Director

**2010 GORDON RESEARCH CONFERENCE
on WATER & AQUEOUS SOLUTIONS**

FINAL PROGRESS REPORT

DEPARTMENT OF ENERGY
GRANT NO. DE-SC0004214

The Gordon Research Conference on WATER & AQUEOUS SOLUTIONS was held at Holderness School, Holderness, NH, August 8-13. The Conference was well-attended with 154 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 154 attendees, 63 voluntarily responded to a general inquiry regarding ethnicity which appears on our registration forms. Of the 63 respondents, 14% were Minorities –10% Asian, 2% Hispanic, and 2% American Indian. Approximately 24% of the participants at the 2010 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In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field.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 As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings.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,
Pavel Jungwirth, Conference Chairperson
ACADEMY OF SCIENCES OF THE CZECH REPUBLIC

WATER & AQUEOUS SOLUTIONS

August 8-13, 2010
Holderness School
Holderness, NH

Chair:
Pavel Jungwirth

Vice Chair:
Dor Ben-Amotz

Water is "IN"!

Water covers more than two thirds of the surface of the Earth and about the same fraction of water forms the total mass of a human body. Since the early days of our civilization water has also been in the focus of technological developments, starting from converting it to wine to more modern achievements. The meeting will focus on recent advances in experimental, theoretical, and computational understanding of the behavior of the most important and fascinating liquid in a variety of situations and applications. The emphasis will be less on water properties *per se* than on water as a medium in which fundamental dynamic and reactive processes take place.

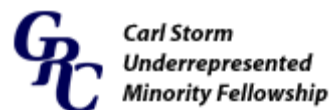
In the following sessions, speakers will discuss the latest breakthroughs in unraveling these processes at the molecular level:

- Water in Solutions
- Water in Motion I & II
- Water in Biology I & II
- Water in the Environment I & II
- Water in Confined Geometries
- Water in Discussion (keynote lecture and poster winners presentations)

Contributors



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 - 7:35 pm	Welcome / Introductory Comments by GRC Site Staff
7:35 pm - 9:30 pm	WATER IN BIOLOGY I
7:35 pm - 7:45 pm	Discussion Leader: Teresa Head-Gordon (University of California Berkeley) "Introduction"
7:45 pm - 8:10 pm	Paul Cremer (Texas A&M University) "Do Osmolytes Stabilize/Denature Proteins by Changing Water Structure?"
8:10 pm - 8:20 pm	Discussion
8:20 pm - 8:45 pm	Angel Garcia (Rensselaer Polytechnic Institute) "High Pressure Effects on Protein Folding"
8:45 pm - 8:55 pm	Discussion
8:55 pm - 9:20 pm	Joe Dzubiella (Technical University Munich) "Modeling solvation and salt effects on the folding of short peptides"
9:20 pm - 9:30 pm	Discussion

MONDAY

7:30 am - 8:30 am	Breakfast
8:45 am	Group Photo
9:00 am - 12:30 pm	WATER IN MOTION I
9:00 am - 9:10 am	Discussion Leader: Branka Ladanyi (Colorado State University) "Introduction"
9:10 am - 9:35 am	Sylvie Roke (Max-Planck-Institut für Metallforschung) "The structure and vibrational dynamics of water at the nanoscopic oil droplet/water interface"
9:35 am - 9:50 am	Discussion
9:50 am - 10:15 am	David Bartels (University of Notre Dame) "H atoms, OH radicals, and Hydrated Electron Reactions in Supercritical Water"
10:15 am - 10:30 am	Discussion
10:30 am	Coffee Break
11:10 am - 11:35 am	Ilan Benjamin (University of California Santa Cruz) "Water Dynamics and Chemical Reactivity at Aqueous Interfaces"
11:35 am - 11:50 am	Discussion
11:50 am - 12:15 pm	Mark Berg (University of South Carolina)

	"Water Dynamics near DNA"
12:15 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	WATER IN THE ENVIRONMENT I
7:30 pm - 7:40 pm	Discussion Leader: Franz Geiger (Northwestern University) "Introduction"
7:40 pm - 8:05 pm	Kaliat Valsaraj (Louisiana State University) "Adsorption and Reactions in Water Thin Films in Atmospheric Aerosols"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Martina Roeselová (Academy of Sciences of the Czech Republic) "Water Uptake and Microscopic Wetting of Heterogeneous Organic Surfaces Investigated by Molecular Simulations"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Sergey Nizkorodov (University of California Irvine) "Hygroscopic Growth of Nanoparticles Containing Surface Active Molecules"
9:15 pm - 9:30 pm	Discussion

TUESDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	WATER IN CONFINED GEOMETRIES
9:00 am - 9:10 am	Discussion Leader: Pablo Debenedetti (Princeton University) "Introduction"
9:10 am - 9:35 am	Mark Johnson (Yale University) "Probing the Energy Onset for Large Amplitude Motion in Water Clusters Using Pump-Probe Infrared Double Resonance"
9:35 am - 9:50 am	Discussion
9:50 am - 10:15 am	Martina Havenith (Ruhr University Bochum) "Aggregation Induced Dissociation of $\text{HCl}(\text{H}_2\text{O})_4$ below 1 K: The Smallest Droplet of Acid"
10:15 am - 10:30 am	Discussion
10:30 am	Coffee Break
11:10 am - 11:35 am	Ron Shen (University of California Berkeley) "Vibrational Spectroscopy on Hydrophilic and Hydrophobic Water Interfaces"
11:35 am - 11:50 am	Discussion
11:50 am - 12:15 pm	Chris Mundy (Pacific Northwest National Laboratory)

	"Towards an Understanding of Specific Ion Effects at the Air-Water Interface Using Density Functional Theory"
12:15 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	WATER IN SOLUTIONS
7:30 pm - 7:40 pm	Discussion Leader: Austen Angell (Arizona State University) "Introduction"
7:40 pm - 8:05 pm	Kersti Hermansson (Uppsala University) "4 or 2? Red or Blue? OH Vibrations as a Probe of the Local Environment in Water"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Doug Doren (University of Delaware) "Accurate Calculations of Aqueous Fluids in Extreme Conditions"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Phil Mason (Cornell University) "Molecular Insight into the Hofmeister Series"
9:15 pm - 9:30 pm	Discussion

WEDNESDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	WATER IN BIOLOGY II
9:00 am - 9:10 am	Discussion Leader: Doug Tobias (University of California Irvine) "Introduction"
9:10 am - 9:35 am	Robert Eisenberg (Rush University Medical Center) "Bubbles, Gating, Anesthetics, and Selectivity in Ion Channels"
9:35 am - 9:50 am	Discussion
9:50 am - 10:15 am	Steve White (University of California Irvine) "Structure and Hydration of Voltage-Sensor Domains in Membranes"
10:15 am - 10:30 am	Discussion
10:30 am	Coffee Break
11:10 am - 11:35 am	Nobuyuki Matubayasi (Kyoto University) "Free-Energy Analysis of Biomolecular Solvation in the Energetic Perspective"
11:35 am - 11:50 am	Discussion
11:50 am - 12:15 pm	Thomas Record (University of Wisconsin - Madison) "Quantifying Competitive Interactions of Water and Solutes or Salt Ions with Molecular Surfaces in Aqueous Solution"

12:15 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	WATER IN MOTION II
-------------------	---------------------------

7:30 pm - 7:40 pm	Discussion Leader: Rich Saykally (University of California Berkeley) "Introduction"
7:40 pm - 8:05 pm	Bertil Halle (Lund University) "Molecular Motions in Supercooled Water"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:40 pm	Damien Laage (École Normale Supérieure Paris) "The Molecular Jump Mechanism: A Model to Understand Water Dynamics in Different Environments"
8:40 pm - 8:50 pm	Discussion
8:50 pm - 9:15 pm	Noam Agmon (Hebrew University of Jerusalem) "Water-Water and Proton-Water Correlation Functions"
9:15 pm - 9:30 pm	Discussion

THURSDAY

7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	WATER IN THE ENVIRONMENT II
9:00 am - 9:10 am	Discussion Leader: Heather Allen (Ohio State University) "Introduction"
9:10 am - 9:35 am	Daniel Knopf (Stony Brook University) "Atmospheric Aqueous Aerosols: Phase Transitions and Interfacial Processes"
9:35 am - 9:50 am	Discussion
9:50 am - 10:15 am	Marcelo Carignano (Purdue University) "Growth, Melting and Stability of Ice Particles. Gibbs-Thomson Effect"
10:15 am - 10:30 am	Discussion
10:30 am	Coffee Break
11:10 am - 11:35 am	Vlad Sadtchenko (George Washington University) "Thin Films of Amorphous Solid Water and Cryogenic Solutions as Model Environmental Substrates: Insight from Fast Scanning Calorimetry Studies"

11:35 am - 11:50 am	Discussion
11:50 am - 12:15 pm	Benny Gerber (Hebrew University of Jerusalem) "Atmospherically-Relevant Reactions in Water Clusters and at Ice Particles"
12:15 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 - 8:30 pm	WATER IN DISCUSSION
7:30 pm - 7:40 pm	Discussion Leader: Alan Soper (Rutherford Appleton Laboratory) "Introduction"
7:40 pm - 8:05 pm	Michele Parrinello (ETH Zurich) "Quantum Water"
8:05 pm - 8:20 pm	Discussion
8:30 pm - 9:30 pm	SELECTED STUDENT AND POST-DOC POSTER PRESENTERS
	Discussion Leader: Nancy Levinger (Colorado State University) (<i>Presentations TBA</i>)

FRIDAY

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

Water & Aqueous Solutions (2010)

Name	Organization	Participation	Status
AGMON, NOAM	HEBREW UNIVERSITY	Speaker	Registered
ALLEN, HEATHER C	OHIO STATE UNIVERSITY	Speaker	Registered
ANGELL, AUSTEN	ARIZONA STATE UNIVERSITY	Discussion Leader	Registered
ANICK, DAVID J	HARVARD MEDICAL SCHOOL	Poster Presenter	Registered
ARGYRIS, DIMITRIOS	UNIVERSITY OF OKLAHOMA	Poster Presenter	Registered
BAKKER, HUIB	AMOLF	Poster Presenter	Registered
BARRAZ, NEY M	UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL	Poster Presenter	Registered
BARTELS, DAVID M	NOTRE DAME UNIVERSITY	Speaker	Registered
BAUER, BRAD A	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
BELLISSENT-FUNEL, MARIE-CLAIRE	LABORATOIRE LEON BRILLOUIN, CEA-CNRS	Poster Presenter	Registered
BEN-AMOTZ, DOR	PURDUE UNIVERSITY	Vice Chair	Registered
BENJAMIN, ILAN	UNIVERSITY OF CALIFORNIA, SANTA CRUZ	Speaker	Registered
BERG, MARK A	UNIVERSITY OF SOUTH CAROLINA	Speaker	Registered
BJORNEHOLM, OLLE	UPPSALA UNIVERSITY	Poster Presenter	Registered
BORGUET, ERIC	TEMPLE UNIVERSITY	Poster Presenter	Registered
BRUNI, FABIO	UNIVERSITA DI ROMA TRE	Attendee	Registered
BULDYREV, SERGEY V	YESHIVA UNIVERSITY	Poster Presenter	Registered
BULLEMER, BERNHARD	FEDERAL AF UNIVERSITY MUNICH	Poster Presenter	Registered
CAMPEN, R. KRAMER	FOM INSTITUTE AMOLF	Poster Presenter	Registered
CANCHI, DEEPAK R	RENSSELAER POLYTECHNIC INSTITUTE	Poster Presenter	Registered
CARIGNANO, MARCELO	NORTHWESTERN UNIVERSITY	Speaker	Registered
CERVENY, SILVINA	CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	Poster Presenter	Registered
CHAKRAVARTY, CHARUSITA	INDIAN INSTITUTE OF TECHNOLOGY DELHI	Poster Presenter	Registered
CHENG, CHI-YUAN	UNIVERSITY OF CALIFORNIA, SANTA BARBARA	Poster Presenter	Registered
CHOI, EUGENE	CORNELL UNIVERSITY	Attendee	Registered
CHOWDHARY, JANAMEJAYA	UNIVERSITY OF CHICAGO/COLORADO STATE UNIVERSITY	Poster Presenter	Registered
CORCELLI, STEVEN A	UNIVERSITY OF NOTRE DAME	Poster Presenter	Registered
CREMER, PAUL S	TEXAS A&M UNIVERSITY	Speaker	Registered
CWIKLIK, LUKASZ	ACADEMY OF SCIENCES OF THE CZECH REPUBLIC	Poster Presenter	Registered
DANIEL, EZRA	TEL AVIV UNIVERSITY	Attendee	Registered
DAVIS, JOEL G	PURDUE UNIVERSITY	Poster Presenter	Registered
DE BEER, ALEX G.F.	MAX-PLANCK INSTITUTE FOR METALS RESEARCH	Poster Presenter	Registered
DEBENEDETTI, PABLO	PRINCETON UNIVERSITY	Discussion Leader	Registered
DEXTER, ANNETTE F	UNIVERSITY OF QUEENSLAND	Poster Presenter	Registered
DOREN, DOUGLAS J	UNIVERSITY OF DELAWARE	Speaker	Registered
DOUGAN, LORNA	UNIVERSITY OF LEEDS	Poster Presenter	Registered
DZUBIELLA, JOACHIM	TECHNICAL UNIVERSITY MUNICH	Speaker	Registered
EISENBERG, ROBERT S	RUSH MEDICAL COLLEGE	Speaker	Registered
EUSTIS, SOREN N	ETH - ZURICH / IBP	Poster Presenter	Registered

FAN, HENG	UNIVERSITY OF OKLAHOMA	Poster Presenter	Registered
FRIESEN, ALLAN D	ARIZONA STATE UNIVERSITY	Poster Presenter	Registered
GARCIA, ANGEL E	RENSSELAER POLYTECHNIC INSTITUTE	Speaker	Registered
GEIGER, FRANZ M	NORTHWESTERN UNIVERSITY	Discussion Leader	Registered
GERBER, BENNY	HEBREW UNIVERSITY	Discussion Leader	Registered
GIOVAMBATTISTA, NICOLAS	BROOKLYN COLLEGE OF CUNY	Poster Presenter	Registered
GLADICH, IVAN I	PURDUE UNIVERSITY	Poster Presenter	Registered
GONZALEZ SOLVEYRA, ESTEFANIA	UNIVERSITY OF BUENOS AIRES (UBA)	Poster Presenter	Registered
GREEN, MICHAEL E	CITY COLLEGE OF CUNY	Poster Presenter	Registered
HALLE, BERTIL	LUND UNIVERSITY	Speaker	Registered
HAM, SIHYUN	SOOKMYUNG WOMEN'S UNIVERSITY	Poster Presenter	Registered
HANDLE, PHILIP	UNIVERSITY OF INNSBRUCK	Poster Presenter	Registered
HANDS, MICHAEL D	PURDUE UNIVERSITY	Poster Presenter	Registered
HARRIES, DANIEL	THE HEBREW UNIVERSITY	Poster Presenter	Registered
HATCH, HAROLD W	PRINCETON UNIVERSITY	Poster Presenter	Registered
HAVENITH, MARTINA	RUHR-UNIVERSITY BOCHUM	Speaker	Registered
HAYES, PATRICK L	UNIVERSITY OF COLORADO, BOULDER	Poster Presenter	Registered
HEAD-GORDON, TERESA L	UNIVERSITY OF CALIFORNIA, BERKELEY	Discussion Leader	Registered
HENCHMAN, RICHARD H	UNIVERSITY OF MANCHESTER	Poster Presenter	Registered
HERMANSSON, KERSTI	UPPSALA UNIVERSITY	Speaker	Registered
HEYDA, JAN	INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY	Poster Presenter	Registered
HEYDEN, MATTHIAS	RUHR-UNIVERSITY BOCHUM	Poster Presenter	Registered
HO, TUAN A	UNIVERSITY OF OKLAHOMA	Attendee	Registered
HORINEK, DOMINIK	TU MUENCHEN	Poster Presenter	Registered
HUA, WEI	OHIO STATE UNIVERSITY	Poster Presenter	Registered
HUANG, ZISHUAI	OHIO STATE UNIVERSITY	Poster Presenter	Registered
ICHIYE, TOSHIKO	GEORGETOWN UNIVERSITY	Poster Presenter	Registered
IFTIMIE, RADU	UNIVERSITY OF MONTREAL	Poster Presenter	Registered
JACOBSON, LIAM C	UNIVERSITY OF UTAH	Poster Presenter	Registered
JOHNSON, MARK A	YALE UNIVERSITY	Speaker	Registered
JOHNSTON, JESSICA C	UNIVERSITY OF UTAH	Poster Presenter	Registered
JUNGWIRTH, PAVEL	ACADEMY OF SCIENCES OF THE CZECH REPUBLIC	Chair	Registered
KAMARCHIK, EUGENE	EMORY UNIVERSITY	Poster Presenter	Registered
KEYES, TOM	BOSTON UNIVERSITY	Attendee	Registered
KNOPF, DANIEL A	SUNY STONY BROOK UNIVERSITY	Speaker	Registered
KUMAR, REVATI	BOSTON UNIVERSITY	Poster Presenter	Registered
KUO, JER-LAI	ACADEMIA SINICA	Poster Presenter	Registered
LAAGE, DAMIEN	ECOLE NORMALE SUPERIEURE	Speaker	Registered
LADANYI, BRANKA M	COLORADO STATE UNIVERSITY	Discussion Leader	Registered
LASCARIS, ERIK	BOSTON UNIVERSITY	Poster Presenter	Registered
LEVINGER, NANCY E	COLORADO STATE UNIVERSITY	Discussion Leader	Registered
LEWIS, TANZA L	UNIVERSITY OF CALIFORNIA, IRVINE	Poster Presenter	Registered
LI, ISAAC TS	UNIVERSITY OF TORONTO	Poster Presenter	Registered
LOCKWOOD, GLENN K	RUTGERS UNIVERSITY	Poster Presenter	Registered

LUND, MIKAEL	LUND UNIVERSITY	Poster Presenter	Registered
LUO, JIAYUAN	BOSTON UNIVERSITY	Poster Presenter	Registered
LUZAR, ALENKA	VIRGINIA COMMONWEALTH UNIVERSITY	Poster Presenter	Registered
LYNDEN-BELL, RUTH M	CAMBRIDGE UNIVERSITY	Poster Presenter	Registered
MALIKOVA, NATALIE	LABORATOIRE LEON BRILLOUIN (CEA-CNRS)	Poster Presenter	Registered
MANKA, ALEXANDRA A	UNIVERSITY OF COLOGNE	Poster Presenter	Registered
MARSALEK, ONDREJ	ACADEMY OF SCIENCES OF THE CZECH REPUBLIC	Poster Presenter	Registered
MASON, PHILIP	CORNELL UNIVERISTY	Speaker	Registered
MATSUMOTO,, MASAKAZU	NAGOYA UNIVERSITY	Poster Presenter	Registered
MATUBAYASI, NOBUYUKI	KYOTO UNIVERSITY	Speaker	Registered
MOLINERO, VALERIA	UNIVERSITY OF UTAH	Attendee	Registered
MOORE, EMILY B	UNIVERSITY OF UTAH	Poster Presenter	Registered
MUNDY, CHRISTOPHER J	PACIFIC NORTHWEST NATIONAL LABORATORY	Speaker	Registered
NESHYBA, STEVEN	UNIVERSITY OF PUGET SOUND	Poster Presenter	Registered
NIZKORODOV, SERGEY A	UNIVERSITY OF CALIFORNIA, IRVINE	Speaker	Registered
ODELIUS, MICHAEL	STOCKHOLM UNIVERSITY	Poster Presenter	Registered
OTTOSSON, NIKLAS	UPPSALA UNIVERSITY	Poster Presenter	Registered
PAGNOTTA, SARA E	CENTRO DE FISICA DE MATERIALES (CSIC-UPV/EHU)	Poster Presenter	Registered
PATEL, SANDEEP	UNIVERSITY OF DELAWARE	Poster Presenter	Registered
PATEL, AMISH J	RENSSELAER POLYTECHNIC INSTITUTE	Poster Presenter	Registered
PEDROZA, LUANA	UNIVERSITY OF SAO PAULO	Poster Presenter	Registered
PINCU, MADELEINE	UNIVERSITY OF CALIFORNIA IRVINE	Poster Presenter	Registered
PLUGATYR, ANDRIY	TRENT UNIVERSITY	Poster Presenter	Registered
PLUHAROVA, EVA	ASCR	Poster Presenter	Registered
QVIST, JOHAN	LUND UNIVERSITY	Poster Presenter	Registered
RECORD, THOMAS	UNIVERSITY OF WISCONSIN	Speaker	Registered
REITER, GEORGE F	UNIVERSITY OF HOUSTON	Poster Presenter	Registered
RICCI, MARIA-ANTONIETTA	UNIVERSITA' ROMA TRE	Attendee	Registered
ROESELOVA, MARTINA	CZECH ACADEMY OF SCIENCES	Speaker	Registered
ROKE, SYLVIE	MAX-PLANCK INSTITUTE FOR METAL RESEARCH	Attendee	Registered
ROSSKY, PETER J	UNIVERSITY OF TEXAS AT AUSTIN	Attendee	Registered
ROZMANOV, DMITRI	UNIVERSITY OF CALGARY	Poster Presenter	Registered
SADTCHENKO, VLADISLAV	GEORGE WASHINGTON UNIVERSITY	Speaker	Registered
SAMSON, JEAN-SEBASTIEN	MAX-PLANCK-INSTITUT	Poster Presenter	Registered
SANCHEZ-RUIZ, JOSE M	UNIVERSITY OF GRANADA (SPAIN)	Attendee	Registered
SARUPRIA, SAPNA	PRINCETON UNIVERSITY	Poster Presenter	Registered
SAYKALLY, RICHARD J	UNIVERSITY OF CALIFORNIA, BERKELEY	Speaker	Registered
SCHEU, RUEDIGER	MAX-PLANCK-INSITUTE FOR METALS RESEARCH	Poster Presenter	Registered
SEITSONEN, ARI P	UNIVERSITY OF ZURICH	Poster Presenter	Registered
SESSOMS, DAVID	CORNELL UNIVERSITY	Attendee	Registered
SHANKLIN, RADFORD	MARINE BIOLOGICAL LABORATORY	Poster Presenter	Registered
SHAO, QING	UNIVERSITY OF WASHINGTON	Poster Presenter	Registered
SHEN, YUEN RON	UNIVERSITY OF CALIFORNIA, BERKELEY	Speaker	Registered
SHULTZ, MARY JANE	TUFTS UNIVERSITY	Poster Presenter	Registered
SILVA, JONATHAS N.	UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL	Poster Presenter	Registered
SMOLIN, NIKOLAI	OAK RIDGE NATIONAL LABORATORY	Poster Presenter	Registered
SNIDER, NEIL	NORTHWESTERN UNIVERSITY	Attendee	Registered
SODERSTROM, JOHAN	UPPSALA UNIVERSITY	Attendee	Registered

SOPER, ALAN K	STFC RUTHERFORD APPLETON LABORATORY	Discussion Leader	Registered
STAN, CLAUDIU A	HARVARD UNIVERSITY	Poster Presenter	Registered
STANLEY, H. EUGENE	BOSTON UNIVERSITY	Attendee	Registered
STIRNEMANN, GUILLAUME	ECOLE NORMALE SUPERIEURE	Poster Presenter	Registered
STOKELY, KEVIN	BOSTON UNIVERSITY	Poster Presenter	Registered
STREKALOVA, ELENA G	BOSTON UNIVERSITY	Poster Presenter	Registered
STRIOLO, ALBERTO	UNIVERSITY OF OKLAHOMA	Poster Presenter	Registered
SU, ZHIQIANG	BOSTON UNIVERSITY	Poster Presenter	Registered
SUBINYA, MIREIA	MAX-PLANCK INSTITUTE FOR METALS RESEARCH	Poster Presenter	Registered
SVISHCHEV, IGOR	TRENT UNIVERSITY	Poster Presenter	Registered
TEIXEIRA, JOSE	CNRS - LLB	Attendee	Registered
TOBIAS, DOUGLAS	UNIVERSITY OF CALIFORNIA	Discussion Leader	Registered
TU, YUSONG	BOSTON UNIVERSITY & SHANHAI UNIVERSITY	Poster Presenter	Registered
TUCKERMAN, MARK E	NEW YORK UNIVERSITY	Poster Presenter	Registered
TUMMALA, NAGA RAJESH	UNIVERSITY OF OKLAHOMA	Attendee	Registered
TURTON, DAVID A	UNIVERSITY OF STRATHCLYDE	Poster Presenter	Registered
VACHA, ROBERT	UNIVERSITY OF CAMBRIDGE	Poster Presenter	Registered
VALSARAJ, KALLIAT T	LOUISIANA STATE UNIVERSITY	Speaker	Registered
WANG, FENG	BOSTON UNIVERSITY	Poster Presenter	Registered
WERNERSSON, ERIK	INST. OF ORGANIC CHEMISTRY AND BIOCHEMISTRY AS CR	Poster Presenter	Registered
WHITE, STEPHEN H	UNIVERSITY OF CALIFORNIA AT IRVINE	Speaker	Registered
WHITE, ANDREW D	UNIVERSITY OF WASHINGTON	Poster Presenter	Registered
WYNNE, KLAAS	UNIVERSITY OF STRATHCLYDE	Poster Presenter	Registered