MONDAY, JULY 27 2015

Session 1, Chair: Thomas L. C. Jansen (University of Groningen)

7:30 AM Breakfast at TSRC meeting site

8:00 AM Opening Remarks by Thomas L.C. Jansen (University of Groningen)
8:05 AM Munira Khalil (University of Washington): 2D Vibrational-Electronic Spectroscopy
8:50 AM Andrew Moran (University of North Carolina, Chapel Hill): Femtosecond Stimulated Raman Spectroscopy by Six-Wave Mixing
9:35 AM Jeffery Cina (University of Oregon): The Role of Vibrations in Energy Transfer and Light-Harvesting Systems

10:20 AM Coffee Break

10:50 AM Anouk Rijs (Radboud University): Understanding Soft Vibrational Modes by Combining Far-IR Action Spectroscopy and Born-Oppenheimer Molecular Dynamics
11:35 AM Anne McCoy (University of Washington): Spectral Signatures of Large Amplitude Motions in Water Clusters and Charged Systems

12:20 PM Lunch at TSRC meeting site

Session 2, Chair: David Leitner (University of Reno, Nevada)

1:30 PM Gerhard Stock (University of Freiburg): Vibrational and Conformational Dynamics of Allosteric Communication
2:15 PM Karin Hauser (Universität Konstanz): Biomolecular Dynamics Studied with Time-Resolved IR Spectroscopy

3:00 PM Coffee Break

3:30 PM Sebastian Westenhoff (University of Gothenburg): Site-Selective Isotope Labelling of Proteins for Infrared Spectroscopy
4:15 PM Kevin Kubarych (University of Michigan): Biomolecule Hydration Probed with 2D-IR Spectroscopy: From Crowding to Preferential Co-solvation
TUESDAY, JULY 28 2015

Session 3, Chair: Judy Kim (University of California, San Diego)

1:30 PM Markus Meuwly (University of Basel): *Vibrationally Induced Reactivity in Atmospheric Reactions*

2:15 PM Lauren Webb (University of Texas, Austin): *Origin and Function of Electrostatic Fields in Lipid Bilayer Membranes Measured With Vibrational Spectroscopy*

3:00 PM Coffee Break

3:30 PM Etienne Garand (University of Wisconsin, Madison): *Vibrational Spectroscopy of Isolated Transition Metal Complexes and Reaction Intermediates*

4:15 PM Alexander Schubert (Université de Toulouse III): *Atomistic Simulation of Dissipative Processes and Direct Decoherence Observation via Non-linear Spectroscopy*

6:00 PM TSRC Town Talk at the Conference Center in Mountain Village

WEDNESDAY, JULY 29 2015

Session 4, Chair: Yoshitaka Tanimura (Kyoto University)

1:30 PM Ellen Backus (Max Planck Institute for Polymer Research): *Ultrafast Structural Dynamics of Membrane-Bound Water Molecules Revealed by Two-Dimensional Surface-Specific Vibrational Spectroscopy*

2:15 PM Akihito Morita (Tohoku University): *Recent Computational Studies on Surface Vibrations And Sum Frequency Generation Spectroscopy*

3:00 PM Coffee Break

3:30 PM Peter Hamm (University of Zurich): *2D-ATR IR Spectroscopy of Organic Monolayers at Metal-Liquid Interfaces*

4:15 PM Tõnu Pullerits (Lund University): *Excited State Dynamics - Unraveling Mixing of Electronic and Vibronic Coherences.*

6:00 PM TSRC Picnic @ Telluride Elementary School at 447 W Columbia Ave
THURSDAY, JULY 30 2015

Session 5, Chair: Jeff Cina (University of Oregon, Eugene)

7:30 AM  Breakfast at TSRC meeting site

8:00 AM  Minhaeng Cho (Korea University): Water H-Bonding Network and Ion Aggregate Structures in High Salt Solutions

8:45 AM  Keisuke Tominaga (Kobe University): THz Spectroscopy and IR Nonlinear Spectroscopy on Water, Aqueous Solutions, and Proteins

9:30 AM  Coffee Break

10:00 AM Yoshitaka Tanimura (Kyoto University): Simulating, Modeling, and Analyzing Two-Dimensional THz-Raman Spectroscopies

10:45 AM Jens Bredenbeck (Johann Wolfgang Goethe-Universität): TBD

11:30 AM  Lunch

Session 6, Chair: Munira Khalil (University of Washington)

1:30 PM  David Leitner (University of Reno, Nevada): Controlling the Direction of Vibrational Energy Flow in Molecules: Alkane Chains, Alkyl Benzenes and Proteins

2:15 PM  Judy Kim (University of California, San Diego): Tryptophan Radicals in Proteins

3:00 PM  Coffee Break

3:30 PM  Sebastian Buchenberg (University of Freiburg): Pathways of Vibrational Energy in Biomolecules

4:00 PM  Thomas Jansen (University of Groningen): Vibrational Dynamics in Solids

4:45 PM  Closing Remarks

6:00 PM  Workshop Dinner, TBD

FRIDAY, JULY 31 2015:  FREE DAY FRIDAY!