

Authors	Title
Sunday, May 10, 2009	
1 Sean Garrett-Roe and Peter Hamm, <i>University of Zurich</i>	<i>3D-IR of isotopically substituted water (HOD/H₂O) and CO₂ in water</i>
2 Krupa Ramasesha , Sean T. Roberts, Andrei Tokmakoff, <i>MIT</i>	<i>Anisotropy of Water studied using Molecular Dynamics Simulations</i>
3 Guillaume Stirnemann , Peter J. Rossky, James T. Hynes, Damien Laage, <i>Ecole Normale Supérieure</i>	<i>Water Reorientation and Hydrogen-Bond Dynamics next to an Extended Hydrophobic Surface</i>
4 Y.-S. Lin and J. L. Skinner, <i>University of Wisconsin-Madison</i>	<i>Ultrafast Infrared Spectroscopy of Dilute HOD in Aqueous Salt solutions</i>
5 Junichi Ono , Yoshitaka Tanimura, Shinji Saito, <i>Kyoto University</i>	<i>A Theoretical Study of Intermolecular Vibrational Mode Coupling in Aqueous Solutions</i>
6 Daniel Shaw, Matthijs Panman , Sander Woutersen, <i>University of Amsterdam</i>	<i>Cooperative vibrational relaxation in hydrogen-bonded liquids</i>
7 Lukasz Piatkowski , Huib Bakker, <i>AMOLF</i>	<i>Ultrafast intermolecular energy transfer in heavy water</i>
8 Thomas la Cour Jansen, Dan Cringus, Maxim S. Pshenichnikov , <i>University of Groningen</i>	<i>Dynamics of Water Symmetric-Asymmetric Stretches</i>
9 Rebecca A. Nicodemus and Andrei Tokmakoff, <i>MIT</i>	<i>Temperature Dependent 2D IR and Pump Probe Measurements of HOD in H₂O</i>
10 Scott M. Gruenbaum , Roger F. Loring, <i>Cornell University</i>	<i>Interference and Quantization in Semiclassical Response Functions</i>
11 Sean T. Roberts , Poul B. Petersen, Krupa Ramasesha, and Andrei Tokmakoff, <i>MIT</i>	<i>Transport of the Aqueous Hydroxide Ion Probed Through Ultrafast Two-Dimensional Infrared Spectroscopy</i>
12 Poul B. Petersen , Sean T. Roberts, Krupa Ramasesha, Daniel G. Nocera and Andrei Tokmakoff, <i>MIT</i>	<i>Vibrational Dynamics of Proton Transfer Systems</i>
13 R.L.A. Timmer , M.J. Cox, H.J. Bakker, <i>AMOLF</i>	<i>Proton transfer in ice</i>
14 V. Kozich, J. Dreyer, W. Werncke , <i>Max Born Institut</i>	<i>Mode-selective vibrational redistribution after spectrally selective N-H stretching mode excitation in intermolecular hydrogen bonds</i>
15 Feng Ding , Qin Zhong, Michael R. Brindza, Robert A. Walker, John T. Fourkas, <i>University of Maryland at College Park</i>	<i>Surface studies of liquids using counter-propagating vibrational sum frequency spectroscopy</i>
16 Patrick L. Hayes , Ehow H. Chen, Jennifer L. Achtyl, Franz M. Geiger, <i>Northwestern University</i>	<i>Tracking Charge Densities and Conformations of a Cationic Surfactant at Silica/Aqueous Interfaces with Vibrational Sum Frequency Generation</i>
17 Jorg Lindner, Tim Schafer, Dirk Schwarzer, Peter Vohringer , <i>University of Bonn</i>	<i>Vibrational energy relaxation in liquid-to-supercritical ammonia</i>
18 David Turton , Klaas Wynne, <i>University of Strathclyde</i>	<i>Observation of mesoscopic structure in ionic liquids by ultrafast OKE and dielectric spectroscopies</i>
19 I.A. Heisler and S.R. Meech, <i>University of East Anglia</i>	<i>Ultrafast Liquid Dynamics Under Strain</i>
20 Daniel Shaw and Sander Woutersen, <i>University of Amsterdam</i>	<i>Non-dipolar resonant intermolecular energy transfer in hydrogen bonded liquids</i>
21 K. Mazur , I. A. Heisler, S. R. Meech, <i>University of East Anglia</i>	<i>Unraveling the Raman Spectral Density of Complex Fluids with Diffractive Optics OKE Measurements</i>
22 Rintaro Shimada , Hiro-o Hamaguchi, <i>University of Tokyo</i>	<i>Selective detection of proximate solvent molecules by the molecular near-field effect in resonance hyper-Raman scattering</i>
23 S.D. McGrane , R.J. Scharff, M. Greenfield, and D.S. Moore, <i>Los Alamos National Laboratory</i>	<i>Pulse shaping of filamentation broadened pulses for optimizing coherent Raman spectroscopy</i>
24 Meng Cui, Brandon R. Bachler, Sarah R. Nichols and Jennifer P. Ogilvie , <i>University of Michigan-Ann Arbor</i>	<i>A Comparison Between Coherent and Spontaneous Raman Scattering Under Biological Imaging Conditions</i>

- 25 **M. Liu**, B. Pardo, M.M. Qazilbash, S.J. Yun, B.G. Chae, B.J. Kim, D.N. Basov, R.D. Averitt, *Boston University* *Conductivity Dynamics in the Correlated Metallic State of V_2O_3*
- 26 **Artem A. Bakulin**, Dmitry Yu. Paraschuk, Paul H.M. van Loosdrecht, and Maxim S. Pshenichnikov, *University of Groningen* *Ground-state charge-transfer complexes of conjugated polymer as an intermediate for charge photogeneration*
- 27 **Aaron M. Massari**, Audrey A. Eigner, *University of Minnesota* *1D and 2D-IR spectroscopy of blended polymer-porphyrin thin films*
- 28 **T. Buckup**, J. Mohring, M. Motzkus, *Philipps University Marburg* *Manipulating vibrational wavepackets with direct UV shaping*

Tuesday, May 12, 2009

- 1 **Jessica M. Anna**, Kevin J. Kubarych, *University of Michigan-Ann Arbor* *Equilibrium dynamics of dicobalt octacarbonyl: the effects of isomerization on coherences*
- 2 **Robert McCanne**, Carlos Baiz, Matthew J. Nee, Jessica Anna, Kevin J. Kubarych, *University of Michigan-Ann Arbor* *Using Transient Fourier Transform Two-Dimensional Infrared Spectroscopy to Monitor Non-Equilibrium Reactions and Dynamics*
- 3 **Carlos R. Baiz**, Kevin J. Kubarych, *University of Michigan-Ann Arbor* *Intermolecular vibrational energy transfer studies with non-equilibrium infrared photon echo spectroscopy*
- 4 **Nadja Regner**, Thorben Cordes, Karin Haiser, Karola Ruck-Braun, Wolfgang Zinth, *LMU Munchen* *Dynamics of Photoswitchable Hemithioindigo-Peptides*
- 5 **Koichi Iwata**, Nobuyuki Asami, Tomohisa Takaya, James Calladine, Xue-Zhong Sun, Michael W. George, Antony W. Parker, Soshi Yabumoto, Shinsuke Shigeto, Hiro-o Hamaguchi, *University of Tokyo* *Mechanism of ultrafast charge transfer reaction in 9,9'-bianthryl examined with time-resolved mid-infrared and near-infrared spectroscopy*
- 6 Katrin Adamczyk, Natalie Banerji, **Bernhard Lang**, Omar F. Mohammend, Erik T. J. Nibbering, Eric Vauthey, *University of Geneva* *Tight and loose ion pairs as primary reaction products of highly exergonic photo-induced bimolecular electron transfer*
- 7 **Sergey V. Shilov**, Thomas J. Tague, *Bruker Optics* *Time-resolved step-scan FTIR spectroscopy with a new research vacuum spectrometer*
- 8 **Kevin C. Jones**, Ziad Ganim, Andrei Tokmakoff, *MIT* *Heterodyned Detection for Linear and Nonlinear Infrared Signal Characterization*
- 9 **Michael Lynch**, Mark Cheng, Benjamin Van Kuiken, and Munira Khalil, *University of Washington* *Understanding vibrational interactions on the ground and electronic excited states of transition metal complexes using multidimensional visible-infrared spectroscopies*
- 10 **Zhiwei Lin**, Valeriy M. Kasyanenko, Grigory I. Rubtsov, Igor V. Rubtsov, *Tulane University* *Interferometric delay measurements implemented for dual-frequency 2DIR setup*
- 11 **Hideaki Kano** and Hiro-o Hamaguchi, *University of Tokyo* *Time-resolved CARS imaging of cell division using a supercontinuum light source*
- 12 **Jan. Helbing**, Harald. Bregy, Peter Hamm, *Universitat Zurich* *Parameters governing the transient 2D-IR spectra of peptides - the opening of a beta turn thioxopeptide*
- 13 **Joshua Lessing**, Jongjin Kim, Kevin Jones, Ziad Ganim, and Andrei Tokmakoff, *MIT* *Two dimensional vibrational spectroscopy study of hydrophobic collapse in bovine neck elastin and elastin like proteins*
- 14 **Ann Marie Woys**, Martin T. Zanni, *University of Wisconsin-Madison* *2D IR Spectroscopy of native probes provide clues to the structure of peptides in a lipid bilayer*
- 15 **L.D. Ziegler**, L. R. Chieffo, J. T. Shattuck, E. Pinnick, F. Wang, S. Erramilli, *Boston University* *Nitrous oxide vibrational relaxation: A probe of interfacial water in phospholipid bilayers*
- 16 Eeva-Liisa Karjalainen, **Andreas Barth**, *Stockholm University* *Analysis of protein backbone structural changes by experiment and calculation*
- 17 **Kyрил M. Solntsev**, Laren M. Tolbert, *Georgia Institute of Technology* *Excited-state proton transfer in novel photoacids: Introducing a challenge for the TRVS studies*
- 18 **Karsten Neumann**, Mirka-Kristin Verhoeven, Gabreila Schafer, Georg Wille, Werner Mantele, Josef Wachtveitl, *Johann Wolfgang Goethe University Frankfurt/Main* *Nitrophenylacetate anion as caged compound for CO_2 : direct observation of the photodecarboxylation*

- 19 **Andreas D. Stahl**, Mariangela Didonato, Ivo van Stokkum, Marie Louise Groot, *VU University Amsterdam* *Excitation Energy Transfer in PS1 and LHC2 measured in the midIR: Spectroscopy & Structural Relations*
- 20 **M. Yoshizawa**, D. Kosumi, R. Nakamura, Y. Iwabuchi, M. Fujiwara, and H. Hashimoto, *Tohoku University* *Vibrational dynamics of the dark excited state (S1) in beta-Carotene investigated by two-photon excitation spectroscopy*
- 21 Sergei G. Kruglik, Jean-Louis Martin, **Michel Negre**, *Ecole Polytechnique* *Measurement of domed-to-planer heme motion induced by NO binding to myoglobin*
- 22 **J.C. Owrrutsky**, D.J. Brown, G.M. Sando, *Naval Research Laboratory* *Vibrational dynamics of molecular and networked metal cyanides*
- 23 **Christopher Keating**, Sriram G. Naraharisetty, Beth A. McClure, Jeff Rack, Igor V. Rubtsov, *Tulane University* *The Use of Sulfoxides as Structural Reporters in Dual-Frequency 2DIR Spectroscopy*
- 24 M. Candelaresi, M. Pagliai, M. Lima, P. Foggi, **R. Righini**, *University of Florence* *Solvation dynamics of methyl acetate probed by two-dimensional IR spectroscopy*
- 25 G. Seifert, **S. Arnold**, H. Graener, *Martin-Luther-Universität Halle-Wittenberg* *Vibrational energy relaxation of halogenated methane derivatives of the type CHX₃ and CH₂X₂ (X=Cl, Br, J)*
- 26 **Valeriy M. Kasyanenko**, Zhiwei Lin, Grigory I. Rubtsov, James P. Donahue, Igor V. Rubtsov, *Tulane University* *Energy Transport Between Ligands in Transition Metal Complexes*