

Poster Session, Tuesday, 19 August, 4 pm (CEST)

Dina Atwa Khalil	Nonlinear Optical Properties of Hexagonal Boron Nitride Nanosheet Thin Films: A Femtosecond Z-scan Study
Rahul Bhuyan	The Role of the Dark States on Strong Exciton Photon Coupling Dynamics
Malin Brütting	Unveiling Myoglobin Conformations: 2DVE and VIPER spectroscopy
Alyssa Cavazos	Dynamical contributions to the vibrational absorption lineshape of an intramolecularly hydrogen bonded organic dye compound
Viktoria Chatrchyan	Quantum dynamical properties of Oligocene: from Spectroscopy to Machine Learning
Avinash Chettri	2D-IR spectroscopy reveals structural heterogeneity in GLFG-rich hydrogels as models for the nuclear pore complex
Lara Denninger	Same Same but Different: Vibronic Coupling to Selectively Target Subpopulations
Ghada Elsayed	Experimental exploration of third-order nonlinear properties of GQD prepared by pulsed laser ablation in liquid
Alexander Fellows	Azimuthal-Scanning and Phase-Resolved Vibrational Sum-Frequency Microscopy
Patrick Friebe	THz vibrational dynamics of Liquid Crystals: from molecular origin to bulk response
Jin Guo	Self-Calibrated Stimulated Raman Scattering Spectroscopy for Rapid Cholangiocarcinoma Diagnosis

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Nina Hagmeyer	Radiative and non-radiative decay in carbazole-substituted polychlorinated triphenyl methyl radicals
Markus Hinterthan	Probing Vibronic Dynamics in Rubrene Crystals via 2D-VE and VIPER Spectroscopy
Kuo Wei Huang	Structural analysis of transient reaction intermediate in formic acid dehydrogenation catalysis using two-dimensional IR spectroscopy
William Jeffries	Decoding nanocrystal surface heterogeneity: insights from ligand vibrations and vibronic coherences
Niklas Klosterhalfen	Nonradiative deactivation of photobasic Ru(II)- and Fe(II)-complexes
Joseph Kölbel	Illuminating Single- and Multi-Branched Donor–Acceptor Systems with Multidimensional Spectroscopies
Shilpa Kurupath Bhavadas	Mapping the vibration states in Retinal and Retinal Schiff Base by FSRs
Nick Sidney Lemberger	Special detector design for improved SRS imaging
Reece Marsden	Ab initio Magnetic Relaxation Prediction of Dysprosium Bis-Borolide Single-Molecule Magnets
Ryan McDonnell	Comparing one and two-photon transitions in vibronic coupling schemes
Ritesh Pant	Influence of Thermal Motion on Exciton Dynamics in Finite Molecular Chains

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Helena Poullose	Understanding Vibrational Strong Coupling through non-linear spectroscopy
Debkumar Rana	Interactions of Azide Anion with Imidazole in DMSO: Time-resolved IR Spectroscopy and Molecular Dynamics Simulation
Till Stensitzki	Exploring Uncharted Territory: 2D-IR spectroscopy in the 1100-1300 cm ⁻¹ region
Timo Stern	Simultaneous detection of FEIR and 2D-IR spectra and site-specific application to biomolecules
Toby Thompson	Electron and Nuclear Spin dynamics of Lanthanide Complexes in Solution
Mathesh Vaithyanathan	In vivo 2D-IR Spectroscopy on Live Cells of E. coli Reveals a Remarkably Stable [FeFe] Hydrogenase Active Site
Luuk Van Wilderen	Vibronic couplings in a photoreceptor protein
Kristin Wallmeier	Epi-detected stimulated Raman photo-thermal microscopy
Bin Yang	Ultrafast Optical Gating of Single Photon Emission via Pump-Ionization-Probe Spectroscopy in CdSe/ZnS Quantum Dots
Qirui Yu	Mode-selective Fluorescence Modulation via Visible/IR Excitation and its Vibrational-electron Coupling Dynamics