ICAVS10 POSTER SESSION 1

Monday 8 July 2019

4:10PM - 6:00PM	**Poster Session 1 and Exhibit Viewing (Level 0 Exhibition)**
01. Linear and non-linear vibrational spectroscopy	POLYDIMETHYLSILOXANE SURFACE STRUCTURE AS REVEALED BY NONLINEAR VIBRATIONAL SPECTROSCOPY - Canyu Cai, University Of Victoria
01. Linear and non-linear vibrational spectroscopy	HIGH THROUGHPUT ON-LINE MONITORING OF H/D EXCHANGE IN PROTEIN MICROARRAYS BY INFRARED IMAGING - Erik Goormaghtigh, Université Libre De Bruxellles
01. Linear and non-linear vibrational spectroscopy	RESONANCE RAMAN REVEALS FREQUENCY DISPERSION ACROSS COLOUR GAMUT IN PARROT FEATHERS - Elliot Tay, University Of Otago
01. Linear and non-linear vibrational spectroscopy	VIBRATIONAL COUPLING ON STEPWISE HYDROGEN BOND FORMATION OF AMIDE I - Ghosh Anup Ghosh, S N Bose National Center For Basic Sciences, Kolkata, India
01. Linear and non-linear vibrational spectroscopy	CAROTENOIDS AND RELATED PIGMENTS IN PINK BIOFILMS REVEALED BY SEPARATION-ASSISTED RAMAN MICROSPECTROSCOPY - Hiroto Horiue, Kwansei Gakuin University
01. Linear and non-linear vibrational spectroscopy	FERROCENE APPENDED PORPHYRINS - Joseph Mapley, University Of Otago
01. Linear and non-linear vibrational spectroscopy	ADSORPTION OF HEPTANE–TOLUENE BINARY MIXTURES ON A HYDROPHOBIC POLYMER SURFACE - Margo Ramsay, University Of Victoria
01. Linear and non-linear vibrational spectroscopy	ENVIRONMENT-INDUCED RESTRUCTURING OF PDMS SURFACE UNDER WATER PROBED BY VIBRATIONAL SUM FREQUENCY GENERATION SPECTROSCOPY - Shafiul Azam, Bangladesh University Of Engineering And Technology
01. Linear and non-linear vibrational spectroscopy	A SPECTROSCOPIC STUDY INTO SOME BENT DONOR-ACCEPTOR-DONOR AND DONOR-ACCEPTOR-ACCEPTOR SYSTEMS - Joshua Sutton, University Of Otago
01. Linear and non-linear vibrational spectroscopy	NEW INSIGHTS ON X(3) MEASUREMENTS: COMPARING NON-RESONANT SECOND HARMONIC GENERATION AND RESONANT SUM FREQUENCY GENERATION AT THE SILICA/AQUEOUS ELECTROLYTE INTERFACE. - Benjamin Rehl, University Of Alberta
01. Linear and non-linear vibrational spectroscopy	HIGH-RESOLUTION SPECTROSCOPY OF 12C2H2 WITH A TUNABLY-RAREFIED OPTICAL FREQUENCY COMB AND VIRTUALLY IMAGED PHASED ARRAY SPECTROMETER - Faisal Karim, University Of Adelaide
01. Linear and non-linear vibrational spectroscopy	P-POLARIZED MULTIPLE ANGLE OF INCIDENCE HETERODYNE-DETECTED NONLINEAR VIBRATIONAL SPECTROSCOPY FOR CHARACTERIZING ADSORBATE STRUCTURE ON METALS - Wei Chen Yang, University Of Victoria
01. Linear and non-linear vibrational spectroscopy	EXTRACELLULAR POLYMER AND IONIC STRENGTH EFFECTS ON THE SILICA-WATER INTERFACE DURING BACTERIAL ADHESION - Tasha Jarisz, University Of Victoria
01. Linear and non-linear vibrational spectroscopy	PROBING IN-SITU HYDROLYSIS OF SILICON ALKOXIDE AT AIR/AQUEOUS INTERFACE USING NONLINEAR VIBRATIONAL SPECTROSCOPY - Harpreet Kaur, Indian Institute of Technology Ropar
01. Linear and non-linear vibrational spectroscopy	PROBING ELECTRIC FIELD EFFECTS ON THE LIQUID STRUCTURE OF AN IONIC LIQUID WITH RAMAN SPECTROSCOPY - Shogo Toda, Kwansei Gakuin University
01. Linear and non-linear vibrational spectroscopy	INVESTIGATION OF LINE SHAPES AND BAND STRUCTURE IN IR ABSORPTION SPECTRA OF A LIQUID AND GASEOUS CONCENTRATED HD SAMPLE - Sebastian Mirz, Karlsruhe Institute of Technology

01. Linear and non-linear vibrational spectroscopy	PROBING ONE- AND TWO-COMPONENT LIPID MONOLAYERS BY HIGH-REPETITION-RATE, HIGH-RESOLUTION, BROADBAND VIBRATIONAL SUM-FREQUENCY GENERATION SPECTROSCOPY - Zsuzsanna Heiner, Humboldt Universität zu Berlin
01. Linear and non-linear vibrational spectroscopy	HIGH THROUGHPUT LABEL FREE ANALYSIS OF PROTEIN MICROARRAYS BY INFRARED IMAGING - Joelle De Meutter, Université Libre De Bruxelles
02. Instrumentation development	ATR OBJECTIVE FOR WIDE-AREA INFRARED MICROSCOPY IMAGING - Yuji Higuchi, Jasco
02. Instrumentation development	THZ/FAR-IR CAPABILITIES & APPLICATIONS AT THE AUSTRALIAN SYNCHROTRON. - Dom Appadoo, Ansto - Australian Synchrotron
02. Instrumentation development	DEVELOPMENT OF QUANTUM CASCADE LASER FREQUENCY COMB SPECTROSCOPY - Markus Mangold, IRsweep
02. Instrumentation development	DEVELOPMENT OF A PM-IRRAS DEVICE DEDICATED TO GLOVEBOX EXPERIMENTS TO STUDY GAS-METAL INTERACTIONS. - Mattéo Bryckaert, CEA
02. Instrumentation development	SUBMICRON SIMULTANEOUS IR AND RAMAN SPECTROSCOPY (IRAMAN): BREAKTHROUGH DEVELOPMENTS IN OPTICAL PHOTOTHERMAL IR (O-PTIR) COMBINED WITH RAMAN PROVIDE NEW CAPABILITIES - Mustafa Corp, Photothermal Spectroscopy Corp.
02. Instrumentation development	QCL-BASED SPECTROMETER FOR LIQUID ANALYSIS IN INDUSTRIAL APPLICATIONS - Bob Shine, Drs Daylight Solutions
02. Instrumentation development	CONSIDERATIONS FOR THE DESIGN OF AN EYE-SAFE STANDOFF RAMAN SENSOR - Frank Duschek, DLR
02. Instrumentation development	SUPERCONTINUUM LASERS – A POWERFUL NEW TOOL FOR MID-INFRARED SPECTROSCOPY - Markus Brandstetter, Research Center Non Destructive Testing
02. Instrumentation development	FOURIER TRANSFORM INFRARED SPECTROSCOPY UTILIZING A BROADBAND MID-INFRARED SUPERCONTINUUM LASER SOURCE - Markus Brandstetter, Research Center Non Destructive Testing
02. Instrumentation development	IN SITU TEMPERATURE DETERMINATION IN A MICROFLUIDIC DEVICE BY LOW-FREQUENCY ANTI-STOKES/STOKES RAMAN SPECTROSCOPY - Hajime Okajima, Aoyama Gakuin University
02. Instrumentation development	HIGH-SENSITIVITY ATR UNIT FOR FTIR SPECTROSCOPY - Yuji Higuchi, Jasco
03. Computational methods and theory	VIBRATIONAL SPECTRA OF NCCN, CNCN AND CNNC : A STUDY USING THE U(4) ALGEBRAIC MODEL - Nirmal Sarkar, Karimganj College, Karimganj-788710, India
03. Computational methods and theory	BAND FITTING: HOW TO EXTRACT OSCILLATOR PARAMETERS AND THE INDEX OF REFRACTION FUNCTION FROM ABSORBANCE SPECTRA - Thomas Mayerhöfer, Leibniz Institute Of Photonic Technology
03. Computational methods and theory	DEVIATIONS FROM THE BOUGUER-BEER-LAMBERT LAW CAUSED BY INTERFERENCE EFFECTS AND HOW TO CORRECT THEM - Thomas Mayerhöfer, Leibniz Institute Of Photonic Technology
03. Computational methods and theory	THE EFFECT OF ANISOTROPY ON EXTINCTION SPECTRA OF SMALL PARTICLES - Thomas Mayerhöfer, Leibniz Institute Of Photonic Technology
03. Computational methods and theory	COMPARATIVE STUDY OF DIFFERENT THEORETICAL APPROACHES FOR MODELING THE DEPENDENCE OF THE SERS VIBRATIONAL WAVENUMBERS ON THE ELECTRODE POTENTIAL - Juan Carlos Otero, Universidad De Málaga

04. Data Extraction, interpretation and knowledge	THE STUDY ON PHASE TRANSITION OF PNIPAAM-BASED COPOLYMER USING 2D IR CORRELATION SPECTROSCOPY - Yeonju Park, Kangwon National University
05. Tip-enhanced methods	TIP-ENHANCED RAMAN SPECTROSCOPY INVESTIGATION OF COBALT CATALYSTS IMMOBILIZATION ON 2D CARBON NANOSHEET - Marie Richard-Lacroix, Friedrich-Schiller University Jena, Institute of Physical Chemistry
05. Tip-enhanced methods	TIP-ENHANCED RAMAN SPECTROSCOPY OF SINGLE BACTERIAL MEMBRANE VESICLES - Kanako Takahashi, Kwansei Gakuin Uninersity
05. Tip-enhanced methods	PROBING LOCAL STRAIN WITH SYNCHROTRON INFRARED NANOSPECTROSCOPY - Hans Bechtel, Advanced Light Source, Lawrence Berkeley National Lab
06. Time resolved spectroscopy and dynamics	ULTRAFAST INTRAMOLECULAR CHARGE TRANSFER PROBED BY IMPULSIVE STIMULATED RAMAN SPECTROSCOPY - Yoonsoo Pang, Gwangju Institute Of Science And Technology
06. Time resolved spectroscopy and dynamics	DEVELOPMENT OF HIGHLY STABLE AND FOURIER TRANSFORM LIMITED PICOSECOND TIME-RESOLVED RAMAN SPECTROMETER - Tsukasa Tokita, Gakushuin University
06. Time resolved spectroscopy and dynamics	THE INFLUENCE OF A BRIDGING GROUP ON DONOR-ACCEPTOR COMMUNICATION IN TRANSITION METAL COMPLEXES - Georgina Shillito, University Of Otago
06. Time resolved spectroscopy and dynamics	TIME-RESOLVED SPECTROSCOPIC STUDY OF N,N-DI(4-BROMO)NITRENIUM IONS IN SELECTED SOLUTIONS - Penglin Lu, The University Of Hong Kong
06. Time resolved spectroscopy and dynamics	UNVEILING THE PHOTOPHYSICAL AND PHOTOCHEMICAL REACTION PROCESS OF NAPROXEN VIA ULTRAFAST FEMTOSECOND TO NANOSECOND LASER FLASH PHOTOLYSIS - Runhui Liang, The University Of Hong Kong
06. Time resolved spectroscopy and dynamics	NUCLEAR SPIN CONVERSION OF H2O IN A KR MATRIX - Kiwa Yamaguchi, Gakushuin University
06. Time resolved spectroscopy and dynamics	FEMTOSECOND TO MILLISECOND RAMAN VIBRATION SPECTROSCOPY OF UNPROTONATED RETINAL IN A UV ABSORBING RHODOPSIN BIOLOGICAL PHOTORECEPTOR - Miroslav Kloz, Eli Beamlines
06. Time resolved spectroscopy and dynamics	TIME-RESOLVED STUDIES ON THE SINGLET EXCITON FISSION OF A PERYLENEDIIMIDE DERIVATIVE IN SOLUTIONS - Sungnam Park, Korea University
06. Time resolved spectroscopy and dynamics	SPECTROSCOPIC AND DFT STUDIES ON THE DIBENZENE OXEPIN MOLECULE AND ITS LARGE STOKES SHIFTED FLUORESCENCE - Yuanchun Li, The University Of Hong Kong
06. Time resolved spectroscopy and dynamics	TIME-RESOLVED TRANSIENT ABSORPTION SPECTROSCOPY FOR INVESTIGATION OF IBUPROFEN IN SOLVENT-DEPENDENT PHOTOCHEMISTRY - Xueqin Bai, The University Of Hong Kong
07. Vibrational optical activity	RAMAN OPTICAL ACTIVITY OF CAROTENOIDS: RESONANCE SIGNAL ENHANCEMENT DUE TO THE AGGREGATION - Grzegorz Zajac, Jagiellonian University
07. Vibrational optical activity	QUANTUM CASCADE LASER BASED SPECTROSCOPIC ELLIPSOMETRY - Markus Brandstetter, Research Center Non Destructive Testing
07. Vibrational optical activity	SLIT-ENHANCED CHIRAL SENSING - Thomas Mayerhöfer, Leibniz Institute Of Photonic Technology
07. Vibrational optical activity	RAMAN OPTICAL ACTIVITY SPECIFICALLY FOUND ON SOLID SAMPLES OF PERFLUOROALKYL COMPOUNDS HAVING HELICAL CONFORMATION AND NO CHIRAL CENTER - Takafumi Shimoaka, Kyoto University