

# ICAVS10 POSTER SESSION 2

Tuesday 9 July 2019

4:10PM - 6:00PM	Poster Session 2 and Exhibit Viewing (Level 0 Exhibition)
08. Surface spectroscopy, plasmonics, SERS & SEIRA	QUANTIFICATION OF PERMEATED SILVER NANOPARTICLES AND THEIR EFFECT ON THE PENETRATION PROPERTIES OF THE SKIN BARRIER - Adéla Jenišťová, University of Chemistry and Technology Prague
08. Surface spectroscopy, plasmonics, SERS & SEIRA	CORRELATING CHARGE-TRANSFER TRANSITIONS WITH THE CATALYTIC ACTIVITY OF BI- AND TRIMETALLIC NANOPARTICLES - Douglas Santos Lopes, University Of São Paulo
08. Surface spectroscopy, plasmonics, SERS & SEIRA	ANALYSIS OF PESTICIDE USING SURFACE-ENHANCED RAMAN SPECTROSCOPY - Eungyeong Park, Kangwon National University
08. Surface spectroscopy, plasmonics, SERS & SEIRA	THE ACCIDENTAL EXCITATION OF SURFACE PHONON POLARITONS IN FT-IR ATR SPECTRA OF GEOLOGICAL SAMPLES - Llew Rintoul, Queensland University Of Technology
08. Surface spectroscopy, plasmonics, SERS & SEIRA	EXPLOITING THE CHEMICAL DIFFERENCES BETWEEN AG AND AU COLLOIDS ALLOWS DRAMATICALLY IMPROVED SERS DETECTION OF "NON-ADSORBING" MOLECULES - Yikai Xu, Queen's University Belfast
08. Surface spectroscopy, plasmonics, SERS & SEIRA	HYDROPHOBIC SERS SPONGE FOR ORGANIC POLLUTANTS SEPARATION AND DETECTION - Ho Sang Jung, Korea Institute of Materials Science
08. Surface spectroscopy, plasmonics, SERS & SEIRA	STRONG NIR-ABSORBING GOLD "MULTI-TENTACLE" NANO-ASSEMBLIES FOR RAMAN NANOTHERANOSTICS. - Priyanka Dey, University Of Exeter, Exeter, UK
08. Surface spectroscopy, plasmonics, SERS & SEIRA	3D DOUBLE-LAYERED PLASMONIC NANOSTRUCTURES FOR HIGHLY SENSITIVE AND RELIABLE SERS SENSORS - Sung-Gyu Park, Korea Institute Of Materials Science (kims)
08. Surface spectroscopy, plasmonics, SERS & SEIRA	SILVER NANOSHELL: ONE-STEP, SURFACTANT-FREE CONTROLLED SYNTHESIS FOR REGULATING SURFACE MORPHOLOGY AND THEIR ENHANCED SCATTERING PROPERTIES - Yun Sik Choi, Seoul National University
08. Surface spectroscopy, plasmonics, SERS & SEIRA	COLLECTIVE ENHANCED IR ABSORPTION (CEIRA) MICROSCOPY FOR PROTEIN CONFORMATIONAL STUDIES IN PHYSIOLOGICAL CONDITIONS: LAPATINIB/EGFR BINDING - Lisa Vaccari, Elettra - Sincrotrone Trieste ScpA
08. Surface spectroscopy, plasmonics, SERS & SEIRA	IMMOBILIZED SILVER NANOPARTICLES REDUCED BY FLAVONOIDS: UNIVERSAL ENHANCING SUBSTRATES FOR VIBRATIONAL SPECTROSCOPY AND NANOSCOPIC IMAGING - Marie Švecová, University of Chemistry and Technology Prague
08. Surface spectroscopy, plasmonics, SERS & SEIRA	CHARGE-TRANSFER RESONANCE ENHANCEMENT ON SERS OF HALOGENATED BENZONITRILES ADSORBED ON SILVER ELECTRODE - Fernanda Carli, University Of São Paulo
08. Surface spectroscopy, plasmonics, SERS & SEIRA	FAST AND EFFICIENT DEPOSITION OF ANALYTE IN THE ELECTRIC FIELD FOR IMPROVEMENT OF SURFACE ENHANCED RAMAN SPECTROSCOPY - Łukasz Richter, FAST AND EFFICIENT DEPOSITION OF ANALYTE IN THE ELECTRIC FIELD FOR IMPROVEMENT OF SURFACE ENHANCED RAMAN SPECTROSCOPY
08. Surface spectroscopy, plasmonics, SERS & SEIRA	FABRICATION OF FUNCTIONAL SERS NANOTAGS FOR THE SIMULTANEOUS IMAGING OF MULTIPLE BIOMARKERS EXPRESSED ON CANCER CELLS. - Namhyun Choi, Hanyang University
08. Surface spectroscopy, plasmonics, SERS & SEIRA	IONS-FREE ELECTROCHEMICALLY SYNTHETIZED IN AQUEOUS MEDIA FLAKE-LIKE CUO NANOSTRUCTURES AS SERS REPRODUCIBLE SUBSTRATES FOR THE DETECTION OF NEUROTRANSMITTERS - Edyta Proniewicz, Agh University Of Science And Technology
08. Surface spectroscopy, plasmonics, SERS & SEIRA	SEMICONDUCTOR HETEROSTRUCTURES FOR ENHANCED RAMAN SPECTROSCOPY - Rakesh Arul, University of Auckland

08. Surface spectroscopy, plasmonics, SERS & SEIRA	TWO-DIMENSIONAL RAMAN ENCODING SYSTEM FOR COMBINATORIAL PEPTIDE LIBRARIES WITH HIGH-THROUGHPUT ASSAY - Sung Gun Lee, Seoul National University
08. Surface spectroscopy, plasmonics, SERS & SEIRA	HIGH-THROUGHPUT MULTIPLEX ANALYSIS METHOD BASED ON FLUORESCENCE-SERS QUANTUM DOT EMBEDDED SILVER BUMPY NANOPROBE - Won Ki Son, Seoul National University
09. Spectroscopy in industry	TWO APPROACHES TO IMPLEMENT FTNIR SPECTROSCOPY AS A PROCESS-CONTROL / MONITOR TOOL – AT LINE AND IN-LINE - Michael Kleimann, Abb Automation Gmbh
09. Spectroscopy in industry	IN SITU FTIR STUDY OF CATALYSTS FOR SELECTIVE HYDROGENATION OF ACETYLENE - Bin Wang, Sinopec Beijing Research Institute Of Chemical Industry, Beijing 100013, P. R. China
09. Spectroscopy in industry	ACID STRENGTH OF BRØNSTED ACID SITES AND LEWIS ACID SITES ON ZSM-5 ZEOLITES - Jianzhun Jiang, Sinopec Beijing Research Institute Of Chemical Industry, Beijing 100013, P. R. China
09. Spectroscopy in industry	COMPARATIVE STUDIES OF PHOTO PHYSICAL PROPERTIES OF SOME COUMARINS : SOLVENTS AND SUBSTITUENTS EFFECT . - Sanjay Kumar, Department Of Physics, Rajdhani College, University Of Delhi
09. Spectroscopy in industry	STUDY OF THE GLASSY PHASE IN THE GLASS-CRYSTALLINE CERAMIC GLAZES - Magdalena Lesniak, Agh University Of Science And Technology
09. Spectroscopy in industry	DETERMINATION OF CRYSTALLINITY ON POLY (ETHER ETHER KETONE) BY USING VISIBLE RAMAN SPECTROSCOPY - Makoto Yamaguchi, Akita University
09. Spectroscopy in industry	MODERN APPLICATIONS OF INFRARED SPECTROSCOPY - Jim Williams, Specac Ltd
09. Spectroscopy in industry	NEAR-INFRARED SPECTROSCOPY FOR REAL-TIME MONITORING OF BIFIDOBACTERIUM FERMENTATION - Yoshitomo Amo, Engineering Development Center, Morinaga Milk Industry Co.,Ltd.
09. Spectroscopy in industry	INVESTIGATION OF THE EFFECT OF TERTIARY AMINES ON POLYENE STRUCTURE FORMATION IN PVC, USING RESONANCE RAMAN SPECTROSCOPY - Yuichi Kato, Toyota Central R&d Labs., Inc.
10. Forensics	ATR-FTIR AND MULTIVARIATE ANALYSIS FOR THE CHARACTERIZATION AND DISCRIMINATION OF WRITING/PHOTOCOPIER PAPER TYPES: A FORENSIC APPLICATION - Raj Kumar, Panjab University
10. Forensics	RAPID DETECTION OF DRUGS OF ABUSE BY SURFACE-ENHANCED RAMAN SCATTERING SPECTROSCOPY BASED ON GOLD NANOPARTICLE CO-AGGREGATION - Hiroki Segawa, National Research Institute Of Police Science
10. Forensics	SEX AND RACE DETERMINATION BASED ON ATTENUATED TOTAL REFLECTION FOURIER TRANSFORM-INFRARED (ATR FT-IR) SPECTROSCOPY OF A BLOODSTAIN - Ewelina Mistek, University at Albany, SUNY
11. Material science	STUDY OF HIGHER ORDER STRUCTURE OF POLY (GLYCOLIDE-CO-LACTIDE) BY THZ AND LOW FREQUENCY RAMAN SPECTROSCOPY - Nishimae Atsushi, Kobe University
11. Material science	STUDY ON HYDRATION OF SUPER ABSORBENT POLYMER BY LOW-FREQUENCY RAMAN SPECTROSCOPY - Tatsuro Nasu, Kobe University
11. Material science	RAMAN MAPPING OF CARBON FILMS: EVALUATING HOMOGENEITY AND SP3/SP2 CONTENT. - Bruno da Fonseca, University of Victoria
11. Material science	INFLUENCE OF B-IRRADIATION ON THE STRUCTURAL PROPERTIES OF IRON POLYPHOSPHATE GLASSES - Pawel Stoch, Agh University Of Science And Technology

11. Material science	FTIR SPECTROSCOPIC STUDIES OF DUAL CURING BEHAVIOR OF ACRYLATE MONOMERS WITH DEUTERATED DERIVATIVES - Kigook Song, Kyung Hee University
11. Material science	ANALYSIS OF THERMAL STABILITY OF POLYPROPYLENE BY COMBINING MICRO FTIR SPECTROSCOPY AND FAST SCANNING CALORIMETRY - Yuta Hikima, Kyoto University
11. Material science	INFRARED STARK EFFECT FOR A NYLON 6 FILM - Moeka Oshiro, Waseda University
11. Material science	STRUCTURAL STUDIES ON THE NOVEL POLYMER DERIVED CERAMICS (PDCS) FROM SIOC AND SIALOC SYSTEMS - Maciej Bik, AGH University of Science and Technology in Cracow, Faculty of Materials Science and Ceramics
11. Material science	THE STUDY OF HYDROGEN ON THE PERFORMANCE OF P-TYPE TRANSPARENT LACUOS FILM - Nengduo Zhang, National University of Singapore
11. Material science	COLOUR POLYMORPHISM: A COMPUTATIONAL, SPECTROSCOPIC AND STRUCTURAL STUDY OF A NEWLY SYNTHETIZED COMPOUND - Bernardo Albuquerque Nogueira, University Of Coimbra
11. Material science	DEGRADATION ANALYSES OF RESINS IN DEPTH DIRECTION USING FT-IR AND MSE EVALUATION METHOD - Yukiko Izumi, Toray Research Center, Inc.
11. Material science	STUDY OF FE <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> -Au MAGNETIC HETEROSTRUCTURE AS PHOTOCATALYST - Sila Jin, Kangwon National University
11. Material science	A STUDY ON CORRELATION BETWEEN INTERMOLECULAR INTERACTION AND UV DEGRADATION OF POLYDIOXANONE BY TERAHERTZ SPECTROSCOPY - Natsumi Okazaki, Graduate School of Human Development and Environment, Kobe University
11. Material science	A STUDY OF HYDROGEN BONDINGS OF PET AND PBT BY TERAHERTZ SPECTROSCOPY AND QUANTUM CHEMICAL CALCULATIONS - Yumiko Yamamoto, Kobe University
11. Material science	ANALYSIS OF LIQUID WATER STRUCTURE IN IONIC LIQUIDS MIXTURES BY RAMAN AND IR SPECTROSCOPIES - Paulina Filipczak, Lodz University Of Technology
11. Material science	CORRELATION BETWEEN ELECTRONIC TRANSITIONS AND VIBRATIONAL TRANSITIONS OF ALKALI METAL COMPLEX FROM ALKALI METAL SALT AND PEG - Nami Ueno, Major In Science, Graduate School Of Science And Engineering, Kindai University
11. Material science	SECOND ORDER STRUCTURE CHANGE OF FIBROINS AT HIGH TEMPERATURE - Hyoung-Joon Jin, Inha University
11. Material science	SPECTROSCOPIC STUDIES OF ALUMINA COATINGS ON STEEL SUBSTRATES OBTAINED BY DIFFERENT METHOD - Maciej Sitarz, AGH University of Science and Technology, Faculty of Materials Science and Ceramic
11. Material science	SPECTROSCOPIC STUDIES OF ALKALI-ACTIVATED METAKAOLIN - Włodzimierz Mozgawa, Agh University Of Science And Technology
11. Material science	LOW-FREQUENCY VIBRATIONAL MODES OF MOS <sub>2</sub> EDGES - Sam Brooke, Massey University
11. Material science	SYNTHESIS AND ANALYSIS OF BIOCL/Bi <sub>2</sub> WO <sub>6</sub> NANOCOMPOSITES FOR REMOVAL OF ORGANIC DYE IN WASTEWATER - Somchai Thongtem, Chiang Mai University