ECOF 15 - Conference Program

Monday, July 17, 2017

09:00-09:40	Registration
09:40-09:50	**Welcome**
09:50-10:30	**A. Dieter Schlüter** *2D Polymers: Synthesis, Characterization, Application*
10:30-11:00	**COFFEE BREAK**
11:00-11:30	**Dieter Neher** *Multilayer Design for Hybrid Perovskite Solar Cells*
11:30-11:50	**M. L. Rodríguez-Mendez** *Enhanced Sensing Properties of Composites formed by Conducting Polymers/AuNPs - Applications in the Food Industry*
11:50-12:10	**Xiaobin J**i *2D Monolayer Stretchable Electrodes for Ultra-thin Low Voltage Expanding Dielectric Elastomer Actuators*
12:10-12:30	**Dorina M. Opris** *Thin functional Dielectric Elastomer Films for Actuators, Sensors, and Harvesters*
12:30-13:30	**LUNCH BREAK**
13:30-13:50	**Andreas Terfort** *Perfluorinated Arenes for the Formation of Self-Assembled Monolayers*
13:50-14:10	**Michal Bodik** *Langmuir Film of Hydrophobic Carbon Quantum Dots*
14:10-14:30	**Takeshi Kawai** *Chirality-Controlled Synthesis of Double-Helical Au Nanowires Templated by Twisted Ribbon-like Molecular Self-assembly*
14:30-14:50	**Andreas Rossos** *Exploring the Photochromism of Amphiphilic Dithienylethenes using a Langmuir-Schaefer Approach*
14:50-15:30	**Andrea C. Ferrari** *The Roadmap to Applications of Graphene and Related Materials*
15:30-16:00	**COFFEE BREAK**
16:00-16:30	**Christoph J. Brabec** *Microstructure Instabilities in Polymer-Fullerene Thin Films for Photovoltaic Applications*
16:30-16:50	**Anastasia Elias** *Conductive and Degradable Polymer-Carbon Nanomaterial Composites for Sensors*

16:50-17:10 **Alexei Nabok**
Development of Novel Optical Bio-Sensing Technologies for Detection of Toxins

17:10-17:30 **Karsten Hinrichs**
Functionalized Metallic Island Substrates for Enhanced Raman and IR Microscopic Biosensing

17:30-17:50 **Mikhail Parchine**
Fabrication of Large Area Colloidal Photonic Crystals on a Felxible Substrate by using a Roll-to-Roll Langmuir-Blodgett Technique

17:50-18:10 **Tamara V. Basova**
Phthalocyanine-based Hybrid Structures as Active Layers of Chemical Sensors

18:10-18:30 **Hocine Khemliche**
Organization of Thin Organic Layers: Dynamics of Phase Transitions Revealed by GIFAD

18:30-19:00 FREE TIME

19:00-21:00 **POSTER SESSION**

Tuesday July 18, 2017

09:00-09:40 **Vladimir V. Tsukruk**
Engineered Bio-Enabled Functional LBL Nanocomposites for Sensing

09:40-10:00 **Oswald Prucker**
Surface-Attached Polymer Networks for Glaucoma Surgery

10:00-10:30 **Aránzazu del Campo**
Optoregulated Biointerfaces

10:30-11:00 COFFEE BREAK

11:00-11:30 **Michel Goldmann**
Fluorinated and Fluorinated-Hydrogenated Mixture Monolayers

11:30-11:50 **Alae El Haitami**
Synthesis at the Air-Water Interface of a 2D Semi-Interpenetrating Network based on Poly(dimethylsiloxane) and Cellulose Acetate Butyrate

11:50-12:10 **Renate Reiter**
Morphological Study of Langmuir Polymer Films by means of Atomic Force Microscopy and MD Simulations

12:10-12:30 **Christian Röling**
Anisotropic Thiophene-Phenylene Co-Oligomer Micro Crystals Characterized by Spectroscopic Imaging Ellipsometry

12:30-13:30 LUNCH BREAK

13:30-14:00 **Alla Synytska**
New Strategies for Design of Biomimetic Multifunctional Surfaces with Tailored Icing and Biofouling

14:00-14:20 **Gemma Sanders**
Novel Polymer Design for Waterborne Pressure Sensitive Adhesives

14:20-14:40 **René Hensel**
Bio-inspired Micropatterned Dry Adhesives for Adhesion to Rough Substrates and at Varying Temperatures

14:40-15:00 **Nico J. Overeem**
Surface Gradients in Lipid Bilayers to study Adhesion of Bacteria and Viruses

15:00-15:20 **Alexander Rudt**
Regulation of the Behavior of Huvec-Cells on Polyelectrolyte Multilayer Coated Surfaces

15:20-15:40 **Dorota Matyszewska**
Phospholipid Mono- and Bilayers as Simple Models of Biological Membranes to study the Interactions with Anticancer Drugs and Drug Carriers

15:40-16:10 COFFEE BREAK

From 16:10 **Free time for Sightseeing**

Wednesday July 19, 2017

09:00-09:40 **Joerg Lahann**
Functionalization and Microstructuring of Cell Substrates using Designer Polymers

09:40-10:00 **Bart Jan Ravoo**
Responsive Surfaces and Self-Assembling Particles by Microcontact Printing and Click Chemistry

10:00-10:30 **Dmitry Volodkin**
Macromolecular Diffusion in Three-Component Protein-Containing Multilayers

10:30-11:00 COFFEE BREAK

11:00-11:30 **Jürgen Rühe**
Engineered Biointerfaces through Tailormade Surface-Attached Polymer Networks - From to New Diagnostic Tools to Novel Implantable Materials

11:30-11:50 **Osamu Shibata**
Langmuir Monolayer Study of Binary Interactions of a Tetrazine Derivative with Biomembrane Constituents at the Air-Water Interface

11:50-12:10 **Michal Flasinski**
Studies on the Interactions between Parabens and Lipid Membrane Components in Monolayers at the Air/Aqueous Solution Interface

12:10-12:30 **Juan Jose Giner-Casares**
Plasmonic Nanoparticles Assembled at the Air/Liquid Interface for Biological Applications

12:30-13:30 LUNCH BREAK

13:30-14:00 **Regine von Klitzing**
Light- and Temperature-Sensitive Polymer Coatings: Structure-Dynamics-Function Relations

14:00-14:20 **Stefan Klaes**
Photo Isomerization of Fulgimide Monolyer on Silicon Surfaces

14:20-14:40 **Simona Bettini**
Protein-Controlled Release from a Paramagnetic Porous Collagen-Based Scaffold

14:40-15:00 **Alaric Taylor**
Upscalable Strategies for the Fabrication of Bioinspired Motheye Smart Windows via Nanoparticle Self-Assembly

15:00-15:20 **Ronan Daly**
Microscale Liquid Engineering - New Surfaces through Digital Droplet Control

15:20-15:40 **Atsuhiro Fujimori**
Dependency of Nanodiamond Particle Size and Outermost-Surface Composition on Organo-Modification - Evaluation by Formation of Organized Molecular Films and Nano-Hybridization with Organic Polymers

15:40-16:10 **COFFEE BREAK**

16:10-16:40 **Xinlian Feng**
Organic 2D Crystals and Beyond

16:40-17:00 **Ornella Cavalleri**
Modulation of Surface Ripple Periodicity in MLG via Interaction with Solutions of Bio-organic Molecules

17:00-17:20 **Daniel Rhinow**
Patterned Ultrathin Carbon Nanomembranes by Laser Ablation

17:20-17:40 **Francoise M. Winnik**
Surface Chemistry of Boron Nitride Nanotubes: Theory and Applications

17:40-17:50 **POSTER AWARDS**

17:50-18:40 **FREE TIME**

18:40-22:00 **CONFERENCE DINNER** "Sächsische Dampfschifffahrt"

Thursday July 20, 2017

09:00-09:40 **Nicholas A. Kotov**
Multiscale Biomimetic Nanocomposites

09:40-10:00 **Nathalie Bonatout**
Spontaneous bilayer formation of graphene oxide at the air-water interface

10:00-10:30 **Ramón A. Álvarez-Puebla**
Cancer Diagnosis and Prognosis with Optical Methods

10:30-11:00 COFFEE BREAK

11:00-11:20 **Atsushi Hozumi**
Superhydrophobic Films Showing Self-Healing Properties Based on a New Biomimetic Appraoch

11:20-11:40 **Himani Sharma**
Imbibition Dynamics of Protein Solution in Biomimetic-Mircowells

11:40-12:00 **Anvesh Gaddam**
Predicting Wetting Transition in Pressure-Driven Flows by Poiseuille Number

12:00-12:20 **Ragesh Prathapan**
Decreasing the Wettability of Cellulose Nanocrystal Surfaces using Wrinkle-based Alignment

12:20-12:40 **Andreas Zumbuehl**
Cuboid Phospholipid Vesicles Formed by Template-free Self-Assembly

12:40-13:30 LUNCH BREAK

13:30-13:50 **Epameinondas Leontidis**
Langmuir Monolayer Studies of Lanthanide-Lipid Interactions

13:50-14:20 **Mischa Zelzer**
Instructive Biointerfaces - Controlling Dynamic Processes between Material Surfaces and Biomolecules

14:20-14:40 **CONCLUSIONS & REMARKS**

Poster Session

P 1: TWO-DIMENSIONAL INORGANIC MIXED PHASE TEMPLATED BY ORGANIC LANGMUIR MONOLAYER - **Sophie Cantin**

P 2: PHOSPHOLIPID/NUCLEOLIPID MIXED FILMS FOR GUANINE RECOGNITION AT THE AIR-WATER INTERFACE - **Pablo Gómez-Argudo**

P 3: INTERFACIAL SELF-ASSEMBLY OF DIPEPTIDES - **Pablo Gómez-Argudo**

P 4: SURFACE PRESSURE-INDUCED ALPHA-BETA TRANSITION OF AMPHIPHILIC PEPTIDES IN THE LIPID MONOLAYER - **Noritaka Kato**

P 5: NANO GRAPHITE FILMS OBTAINED BY CARBONIZATION OF LANGMUIR-BLODGETT FILMS OF RIGID-CHAIN POLYIMIDE - **Svetlana I. Goloudina**

P 6: STUDIES ON THE INTERACTIONS OF BISPHENOLS WITH ANIONIC PHOSPHOLIPIDS OF DECOMPOSER MEMBRANES IN MODEL SYSTEMS - **Michał Flasiński**

P 7: ESSENTIAL OILS AS NATURAL FOOD ADDITIVES AND ECOLOGICAL PESTICIDES - THE EFFECT OF EUCALYPTOL AND TERPINEN-4-OL ON MODEL LIPID MEMBRANES - **Michał Flasiński**

P 8: AUXINS WEAKEN THE EFFECT OF METAL IONS ON LIPID MONOLAYERS – THE ROLE OF AUXINS IN PHYTOEXTRACTION OF METAL IONS FROM CONTAMINATED ENVIRONMENT - **Paweł Wydro**

P 9: THE INFLUENCE OF CATIONIC LIPOID ON MODEL LIPID MEMBRANES - **Paweł Wydro**

P 10: THE EFFECT OF 2-HYDROXYOLEIC ACID ON MODEL LIPID RAFTS STRUCTURE - **Paweł Wydro**

P 11: ALKYL-BASED IMIDAZOLIUM IONIC LIQUIDS AT THE AIR-WATER INTERFACE - **Stephanie Taßler**

P 12: THIN FILM TRANSFER OF LANGMUIR-BLODGETT PHOTONIC MONOLAYER VIA PVA NANOFIBRE LAYER - **Tomas Kohoutek**

P 13: MONITORING THE DEGRADATION AND MORPHOLOGY OF POLY(RICINOLEIC ACID-CO-SEBACIC ACID)-BASED MONOLAYERS AT THE AIR-WATER INTERFACE - **Falko O. Rottke**

P 14: THE INTERPLAY OF DEGRADATION AND CRYSTALLIZATION OF POLYANHYDRDIDES AT THE AIR-WATER INTERFACE - **Falko O. Rottke**

P 15: OPERANDO MULTISCALE AND CHEMICAL ANALYSIS OF ORGANIZED FILMS USING X-RAY AT SIRIUS BEAMLINE - **Philippe Fontaine**

P 16: INTERACTION CYCLIC LIPOPEPTIDE WITH LIPID FILMS AT THE AIR-WATER INTERFACE - **Dorota Konarzewska**

P 17: BIOMEMBRANE MODELS STRUCTURED AS LANGMUIR MONOLAYERS: THE ROLE PLAYED BY CHARGED POLAR HEAD GROUPS IN THE INTERACTION WITH 17-α-ETHINYL-ESTRADIOL HORMONE - **Carlos J. L. Constantino**

P 18: FORMATION AND TRIBOLOGICAL PROPERTIES OF LANGMUIR–BLODGETT FILMS OF TRIACONTANOIC ACID AND 2,4-HENEICOSANEDIONE WITH BORON NITRIDE PARTICLES - **Vladimir E. Agabekov**

P 19: MODIFICATION OF POLY(DIMETHYLSILOXANE) SURFACE BY MULTILAYER CHITOSAN/

PECTIN FILMS - **Vladimir E. Agabekov**

P 20: SURFACE-ATTACHED POLYMER NETWORKS VIA C,H INSERTION CROSSLINKING (CHIC) - **Oswald Prucker**

P 21: GAS PERMEATION THROUGH PICKERING MEMBRANES - **Matthias M. Krejca**

P 22: DEPOSITION OF ORGANIC MOLECULES BEARING A PHOSPONATE HEAD GROUP ON TI02 SURFACES - **Paolo Canepa**

P 23: COLLOIDAL QUANTUM DOTS AT SURFACES: FILM MORPHOLOGY AND LUMINESCENCE DECAYS - **Ana L. Simões Gamboa**

P 24: STRUCTURE AND SENSOR PROPERTIES OF FLUORINE-SUBSTITUTED ZINC AND PALLADIUM PHTHALOCYANINE FILMS - **Daria D. Kliamer**

P 25: EFFECT OF HEXAVALENT SULFONATE CONCENTRATION ON THE GIBBS MONOLAYER OF DODECYLTRIMETHYLAMMONIUM BROMIDE - **Hiroshi Sakai**

P 26: FORMATION OF ORIENTED GOLD NANOPARTICLE OLIGOMERS ON ELASTOMERIC VIA MACROSCOPIC STRAIN - **Anja M. Steiner**

P 27: CHARACTERIZATION OF SOLID-SUPPORTED ULTRATHIN FILMS AND MOLECULAR INTERACTIONS USING MP-SPR - **Niko Granqvist**

P 28: ACTUATED SELF-(UN)ROLLING SILK MICROSTRUCTURES: RINGS, TUBULES, AND HELICAL TUBULES - **Chunhong Ye**

P 29: ROTATIONAL DYNAMICS OF SPIN-LABELED POLYACID CHAIN SEGMENTS IN POLYELECTROLYTE MULTILAYERS STUDIED BY CW EPR SPECTROSCOPY - **Uwe Lappan**

P 30: SURFACE NANOPATTERNING BY α-HELICAL PEPTIDE - **Filippo Tramontana**

P 31: MIXED SELF-ASSEMBLED MONOLAYERS WITH A TUNABLE CONTENT OF DIPOLE MOMENT CARRYING MOLECULES - **Martin Kind**

P 32: INVESTIGATION OF PROPERTIES OF SELF-ORGANIZED SILICA FILMS, DOPED BY RHODAMINE 6G - **Alla Bogoslovska**

P 33: FTIR – PM-IRRAS AND AFM ANALYZES OF PE-B-PEO COPOLYMER THIN FILMS - **Maurice Brogly**

P 34: PYRIMIDINE-CONTAINING DIPOLAR SELF-ASSEMBLED MONOLAYERS ON AU(111) - **Michael Gärtner**

P 35: THE ROLE OF FILM COMPOSITION AND NANO-STRUCTURATION ON THE POLYPHENOL SENSOR PERFORMANCE - **Priscila Alessio**

P 36: FUNCTIONAL NANOMEMBRANES FOR ELECTRON MICROSCOPY OF BIOLOGICAL SAMPLES - **Julian Scherr**

P 37: HIERARCHICAL STRUCTURAL POROUS ANODIC ALUMINA: PREPARATION, CHARACTERIZATION AND SERS APPLICATION - **Weiqing Xu**

P 38: "MOFTRONICS": ELECTRICALLY CONDUCTIVE TWO-DIMENSIONAL METAL-ORGANIC FRAMEWORK FILMS BY INTERFACIAL SYNTHESIS - **Renhao Dong**

P 39: PATTERNED DEPOSITION OF ORGANIC LUMINESCENT NANOPARTICLES FABRICATED BY VISIBLE LASER PROCESSING - **Akihiro Tomioka**

P 40: BALANCING AMONG ELECTRICAL CONDUCTANCE, SULFURATION RESISTANCE AND BENDING DURABILITY OF SILVER NANOWIRES: ROLE OF SURFACE BOUND POLY-

VINYLPYRROLIDONE - **Akihiro Tomioka**

P 41: FUNCTIONAL POLYMER BRUSHES - A SMART TOOLBOX - **Sebastian Rauch**

P 42: SMART BINARY POLYMER BRUSH SURFACES FOR CONTROLLED BIOCATALYSIS - **Alice Rosenthal**

P 43: ROBUST ALIGNMENT OF SILVER NANOWIRES VIA WRINKLE-ASSISTED GRAZING INCIDENCE SPRAYING - **Patrick T. Probst**

P 44: PROTEIN-ASSISTED SELF-ASSEMBLY OF PLASMONIC CORE/SATELLITE NANO-STRUCTURES FOR EFFICIENT SERS ENHANCEMENT - **Roland P. M. Höller**

P 45: INDIUM TIN OXIDE NANO-COLUMNS FORMED BY GLANCING ANGLE DEPOSITION: FABRICATION AND APPLICATIONS - **Kenneth D. Harris**

P 46: MULTIFUNCTIONAL POLYMER COATINGS ON CELLULOSE AND FOIL SUBSTRATES WITH NON-FOULING AND EASY-TO-CLEAN PROPERTIES - **Alexander S. Münch**

P 47: CHARACTERIZING AND CONTROLLING THE DEGRADATION STABILITY OF BIOPOLYMER THIN FILMS - **Anastasia Elias**

P 48: ON-SURFACE SYNTHESIS OF NANOSTRUCTURED CONDUCTING POLYMER THIN FILMS FOR EFFICIENT METAL-FREE PHOTOCATALYSIS - **Tao Zhang**

P 49: ACTIVE ICE-RESISTING SURFACES BY COMBINATION OF DIFFERENT CONCEPTS - **Susanne Höhne**

P 50: MICROFLUIDIC FLOW CELL DESIGN BASED ON ADDITIVE MANUFACTURING - **Max Männel**

P 51: TWO-PHOTON CROSSLINKING OF PHOTOACTIVE POLYMERS – A NEW METHOD FOR THE TWO-PHOTON LITHOGRAPHY - **David Schwärzle**

P 52: RADIOLYSIS OF GOLD IONS TRAPPED WITHIN CHARGED COPOLYMER AT THE AIR/WATER INTERFACE: A PROMISING ROUTE FOR THE FINE TUNING OF GOLD NANOPARTICLES SYNTHESIS - **Louis Bondaz**

P 53: STRUCTURE OF BLOCK COPOLYMER FROZEN MICELLE IN GOLD SOLUTION - **Louis Bondaz**

P 54: CRYSTALLISATION OF HYBRID PEROVSKITE FILMS: APPROACHES TOWARDS DEFECT-FREE GROWTH - **Ruslan Muydinov**

P 55: NOVEL SELF-CLEANING COATINGS MADE OF ORGANIC-INORGANIC SOL-GEL MATERIALS - **Astrid Drechsler**

P 56: FABRICATING A COMPACT AND STABLE LANGMUIR 2D HYBRID PEROVSKITE FILM AT THE AIR-WATER INTERFACE AND ON SOLID SUPPORT - María T. Martín-Romero

P 57: DESIGN OF STRUCTURED SURFACES WITH CONTROLLED ICE FORMATION AND ICE ADHESION: DOES HETEROGENEITY MATTER? - **Madeleine Schwarzer**

P 58: SYNTHESIS, CHARACTERIZATION, AND TRAPPING EFFICIENCY OF PH-RESPONSIVE AU@P4VP MICROGELS - **Rafael Contreras-Caceres**

P 59: CHARACTERIZATION OF BLACK-PHOSPHORUS AS MICROSTRUCTURED ANISOTROPIC 2D MATERIAL BY IMAGING MUELLER MATRIX ELLIPSOMETRY - **Christian Röling**

P 60: STRUCTURE OF MIXED IONIC LIQUID - GRAPHENE OXIDE LANGMUIR FILMS - **Nathalie Bonatout**

P 61: METAL-ENHANCED FLUORESCENCE OF ORIENTED EMITTERS IN 2D PLASMONIC NANO-STRUCTURES - **Fabian Goßler**

P 62: CONTROLLING MORPHOLOGY AND OPTICAL PROPERTIES OF BIMETALLIC COLLOIDS: MERGING THE ADVANTAGES OF SILVER AND GOLD NANOCRYSTALS - **Martin Mayer**

P 63: TAILORED ELECTRIC-FIELD ENHANCEMENT: COMPREHENDING PLASMONICS OF AXISYMMETRIC NANORATTLES - **Max J. Schnepf**

P 64: PROTEIN-COATED GOLD NANOPARTICLES: FROM ENHANCED COLLOIDAL STABILITY TO CATALYTIC CASCADE REACTIONS - **Jonas Schubert**

P 65: A NEW SAM BUILDING BLOCK FOR INVESTIGATION OF "BIO-SWITCHABLE" SURFACES - **Felix Klockmann**

P 66: ONE-STEP PHOTOCHEMICAL GENERATION OF BIOFUNCTIONALIZED CRYROGEL PARTICLES VIA TWO PHASE FLOW - **Jan-Niklas Schönberg**

P 67: INTERACTIONS OF ANTIBIOTIC LIPOPEPTIDES WITH MODEL LIPID MEMBRANES - **Joanna Juhaniewicz-Debinska**

P 68: INTERNALIZATION PATHWAYS OF PARTICLES IN HELA CELLS - **Shumpei Yoshitake**

P 69: MULTI-RESPONSIVE POLYMERIC SURFACES WITH CONTROLLABLE UNDERWATER ADHESION PROPERTIES - **Claudia Marschelke**

P 70: CONTROLLING THE DESIGN OF POLYMER INTERFACE FOR IMMOBILIZATION OF ENZYMES: DOES CURVATURE MATTER? - **Claudia Marschelke**

P 71: SYNTHESIS OF TAILOR-MADE HYDROGELS FOR CELL-FREE PROTEIN TRANSCRIPTION/TRANSLATION - **Thomas Heida**

P 72: BIO-CONJUGATION OF SELF-ASSEMBLED AND DEPOSITED MOS2 LAYERS FOR BIO-SENSING APPLICATIONS - **Anna Kalosi**

P 73: SENSING PROPERTIES OF ELECTRODES MODIFIED BY COMBINATIONS OF NANO-PARTICLES AND PHTHALOCYANINES - **Jose A. de Saja**

P 74: RAMAN-TECHNOLOGIES IN ENT-DIAGNOSTICS (EXPRESS DIAGNOSTICS OF CHRONIC TONSILLITIS) - **Alina B. Timurzieva**

P 75: ELECTRICALLY TUNED BIOINSPIRED ADHESION - Vaishali Chopra

P 76: POLYELECTROLYTE COMPLEX FILMS: ADHESIVENESS, NANOSTRUCTURE AND BIO-MEDICAL APPLICATIONS - **Martin Müller**

P 77: NON-LINEAR OPTICAL IMAGING FOR EVALUATING THE CELL MEMBRANE DAMAGE - **Ryosuke Kondo**

P 78: OPTICAL PROPERTIES OF A PLANAR SYSTEM OF ORDERED PLASMONIC NANO-STRUCTURES ON A SURFACE - **Eugene Bortchagovsky**

P 79: MICROGEL CORE–SHELL PARTICLES WITH TUNEABLE AND SWITCHABLE ELASTICITY - **Maximilian Seuss**

P 80: MECHANO-RESPONSIVE POLYMERS FOR SPATIALLY RESOLVING FORCES - **Jens W. Neubauer**

P 81: STUDY OF PERFLUORINATED AROMATIC THIOLATE-MONOLAYERS ON GOLD(111) - **Adrian Wiesner**

P 82: PERYLENE BASED FLUORESCENT DETECTION OF TOXIC AMINES - **Simona Bettini**

P 83: ENHANCEMENT OF PHOTOCATALYTIC EFFICIENCY OF ZNO NANOSTRUCTURES DECORATING BY AG NANOPARTICLES - **Simona Bettini**

P 84: GRADIENTIAL PLASMONIC ARRAY ON THE MACROSCOPIC SCALE WITH SCREENABLE AND TUNABLE MAGNETIC PROPERTIES BY GOLD FILM-COUPLING - **Yannic Brasse**

P 85: SURFACE-ENHANCED RAMAN SPECTROSCOPY OF GOLD NANOPARTICLES AND THEIR COLLOIDAL ASSEMBLIES - **Christian Kuttner**

P 86: SYSTEMATIC STUDY OF LIGHT-MATTER INTERACTION USING HIGH CONTRAST STRUCTURED NANOMATERIALS BY LASER INTERFERENCE LITHOGRAPHY - **Vaibhav Gupta**

P 87: DETECTION OF AMMONIA GAS UNDER VARIOUS HUMIDITY CONDITIONS USING WAVEGUIDE SURFACE PLASMON RESONANCE SPECTROSCOPY - **Keizo Kato**

P 88: AMMONIA GAS SENSING UNDER VARIOUS HUMIDITIES UTILIZING TRANSMISSION SURFACE PLASMON RESONANCE SPECTROSCOPY - **Keizo Kato**

P 89: PARTIALLY EMBEDDED PLASMONIC NANOPARTICLES WITHIN SEMICONDUCTORS FOR ENHANCED HOT CARRIER EXTRACTION - **Charlene Ng**

P 90: MOLECULAR ORIENTATION IN LIGHT ABSORBING THIN FILMS FOR ORGANIC SOLAR CELLS: CORRELATION OF THEORY AND EXPERIMENT - **K.-J. Eichhorn**

P 91: NANOGAPS AND THEIR ROLES IN SURFACE ENHANCED SPECTROSCOPY - **Ye Yu**