Program

Sunday July 19, 2009

14:00 Registration 15:30 **Opening Ceremony** Prof. François DIEDERICH (ETH ZURICH, Zürich, Switzerland) Mr Gritty THIEL (MINISTERY OF CULTURE, HIGHER EDUCATION AND RESEARCH, Luxembourg, Luxembourg) Prof. Rolf TARRACH (UNIVERSITY OF LUXEMBOURG, Luxembourg, Luxembourg) Mr. Raymond BAUSCH (NATIONAL RESEARCH FUND, Luxembourg, Luxembourg) Prof David BLACK (IUPAC REPRESENTATIVE, Sydney, Australia) 16:00 Opening Plenary Lecture: Perspectives in Chemistry: From Supramolecular Chemistry Towards Adaptative Chemistry Prof. Jean-Marie LEHN (ISIS/UNIVERSITY OF STRASBOURG, Strasbourg, France) 17:00 The 2009 Nozoe Lecture: Exploration of Novel Porphyrinoids with Intriguing Electronic Properties Prof. Atsuhiro OSUKA

18:30 Welcome Reception

(KYOTO UNIVERSITY, Kyoto, Japan)

Program

Monday July 20, 2009

Session Chair

Prof. Paul von Ragué SCHLEYER (THE UNIVERSITY OF GEORGIA, Athens, United States)

09:00 Cycloadditions to Enes, Ynes, and Arenes: Distortion/Interaction Model of Reactivity

Prof. Kendall N. HOUK (UNIVERSITY OF CALIFORNIA, Los Angeles, United States)

09:35 Using NICS-scan for Assessing Induced Dia- and Paramagnetic Ring Currents

Prof. Amnon STANGER (TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY, Haifa, Israel)

10:10 Quantum Chemical Study of Heteroanalogs and Derivatives of [8]-Circulene

Prof. Nikolay ZEFIROV (MOSCOW STATE UNIVERSITY, Moscow, Russia)

10:25 New pi-Electron Materials Built with Unusual Aromatics: from Methano[10]Annulene to Polycyclic Borepins

Prof. J. D. TOVAR (JOHNS HOPKINS UNIVERSITY, Baltimore, United States)

10:40 Coffee Break

Session Chair

Prof. Rainer HERGES (CHRISTIAN-ALBRECHTS-UNIVERSITÄT KIEL, Kiel, Germany)

11:10 Variation of Aromaticity by Twisting or Expanding the Ring Content

Prof. Remi CHAUVIN (LABORATOIRE DE CHIMIE DE COORDINATION DU CNRS, Toulouse, France)

11:45 Aromaticity Switching in Porphyrinoids

Prof. lechoslaw LATOS - GRAZYNSKI (UNIVERSITY OF WROCLAW, Wroclaw, Poland)

12:20 Aromaticity and Antiaromaticity in the Larger Heteroacenes

Dr. Uwe H.F. BUNZ (GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, United States)

12:35 Intramolecular Methylacridan-Acridinium Complexes: Isolation, Structure, and Reactivities of the C...H-Bridged Carbocations

Prof. Takanori SUZUKI (HOKKAIDO UNIVERSITY, Sapporo, Japan)

12:50 Lunch

Session Chair

Prof. Nazario MARTÍN (UNIVERSIDAD COMPLUTENSE DE MADRID, Madrid, Spain)

14:10 New Strategies for the Synthesis of Polycyclic Aromatic Hydrocarbons

Prof. Antonio M. ECHAVARREN (INSTITUTE OF CHEMICAL RESEARCH OF CATALONIA (ICIQ), Tarragona, Spain)

Program

14:45 Single Chirality Carbon Nanotubes: Challenging Targets for Chemical Synthesis

Prof. Lawrence T. SCOTT (BOSTON COLLEGE, Chestnut Hill, United States)

15:20 Towards Large Openings in Fullerenes

Prof. Yves RUBIN (UNIVERSITY OF CALIFORNIA, Los Angeles, United States)

15:35 Metallation, Derivatization, and Function of pi-Bowl Sumanene

Prof. Toshikazu HIRAO (OSAKA UNIVERSITY, Osaka, Japan)

15:50 Coffee Break

Session Chair

Prof Koichi KOMATSU (FUKUI UNIVERSITY OF TECHNOLOGY, Kyoto, Japan)

16:20 In-depth Understanding of pi-Electron Systems: New Vistas in Fullerene Endohedrals

Prof. Takeshi AKASAKA (UNIVERSITY OF TSUKUBA, Tsukuba, Japan)

16:55 Buckyball Maracas: Chemical and Electrochemical Properties of Trimetallic Nitride Endohedral Fullerenes

Prof. Luis ECHEGOYEN (CLEMSON UNIVERSITY, Clemson, SC, United States)

17:30 Preparation of Open-Cage Fullerene Derivatives

Prof. Liangbing GAN (PEKING UNIVERSITY, Beijing, China)

17:45 Synthesis and Properties of Novel Open-Cage Fullerenes and Endohedral Fullerenes

Prof. Yasujiro MURATA (KYOTO UNIVERSITY, Kyoto, Japan)

18:00 Poster Session

Program

Tuesday July 21, 2009

Session Chair

Prof. Marcel MAYOR (UNIVERSITY OF BASEL, Basel, Switzerland)

09:00 C-H...F-C Hydrogen Bonding in the Crystal Structures of Fluoroaromatic Compounds

Prof. Gautam R. DESIRAJU (INDIAN INSTITUTE OF SCIENCE, Bangalore, India)

09:35 Aromatic Mimics of Biomolecular Folding

Dr Ivan HUC (IECB & CNRS - UNIVERSITÉ DE BORDEAUX, Bordeaux, France)

10:10 The Effect of Molecular Clips and Tweezers on Enzymatic Reactions by Binding Coenzymes and Basic Aminoacids

Mr Frank-Gerrit KLÄRNER (UNIVERSITÄT ESSEN, ESSEN, Germany)

10:25 Charge-by-Charge Assemblies from ?-Conjugated Acyclic Anion Receptors

Prof. Hiromitsu MAEDA (INSTITUTE OF SCIENCE AND ENGINEERING, RITSUMEIKAN UNIVERSITY, Kusatsu, Japan)

10:40 Coffee Break

Session Chair

Prof. Graham J. BODWELL (MEMORIAL UNIVERSITY, St. John's, NL, Canada)

11:10 Title not yet available

Prof. René JANSSEN (EINDHOVEN UNIVERSITY OF TECHNOLOGY, Eindhoven, The Netherlands)

11:45 Three-Dimensional Conjugated Macromolecules: Synthesis and Applications

Prof. Zhishan BO (CHINESE ACADEMY OF SCIENCES, Beijing, China)

12:20 Synthesis of Dibenzo[d,d']benzo[1,2-b:4,5-b']difurans and pi-Conjugated Polymers with the Heteroacene Framework

Prof. Koji NAKANO (UNIVERSITY OF TOKYO, Tokyo, Japan)

12:35 Pushing The Limits in Acene Chemistry: Synthesis of Octacene and Nonacene

Prof. Holger BETTINGER (UNIVERSITÄT TÜBINGEN, Tübingen, Germany)

12:50 Lunch + IAB Meeting

Session Chair

Prof. Tien-Yau LUH (NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan)

14:10 Giant Macrocycles Composed of Thiophene, Acetylene, and Ethylene Building Blocks

Prof. Masahiko IYODA (TOKYO METROPOLITAN UNIVERSITY, Tokyo, Japan)

Program

14:45 Toward Carbyne: Synthesis and Stability of Really Long Polyynes

Prof. Rik R. TYKWINSKI (UNIVERSITY OF ALBERTA, Edmonton, Alberta, Canada)

15:20 An Alternative Approach to Highly Congested Acenes

Prof. Kathleen Vi. KILWAY (UNIVERSITY OF MISSOURI, Kansas City, MO, United States)

15:35 The Aromaticity of 1,2-Dihydro-1.2-azaborine

Prof. Shih-Yuan LIU (UNIVERSITY OF OREGON, Eugene, United States)

15:50 Coffee Break

Session Chair

Prof. A. Dieter SCHLÜTER (ETH ZURICH, Zurich, Switzerland)

16:20 Synthesis and Properties of Shape-Persistent Rings and Wheels

Prof. Sigurd HÖGER (UNIVERSITÄT BONN, Bonn, Germany)

16:55 Novel Thiophene-based pi-Conjugated Structures and Topologies

Prof. Peter BÄUERLE (UNIVERSITÄT ULM, Ulm, Germany)

17:30 Click Synthesis of Donor-Acceptor Type Aromatic Polymers

Dr. Tsuyoshi MICHINOBU (TOKYO INSTITUTE OF TECHNOLOGY, Tokyo, Japan)

17:45 Macrocyclic Oligoarylamine-Based Spin System

Dr. AKIHIRO ITO (KYOTO UNIVERSITY, KYOTO CITY, Japan)

18:00 Poster Session

Program

Wednesday July 22, 2009

Session Chair

Prof. Klaus MÜLLEN (MAX PLANCK INSTITUT FÜR POLYMERFORSCHUNG, Mainz, Germany)

09:00 Electronic Polymers with Designed Eelectron Affinities

Prof. Timothy M. SWAGER (MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, United States)

09:35 Syntheses, Properties, and Applications of Carbon-bridged Coplanar Conjugated Aromatics

Prof. Ken-Tsung WONG (NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan)

10:10 Durable Supramolecular Assemblies Based On Fullerene Organizations

Dr. Takashi NAKANISHI (MAX PLANCK INSTITUTE OF COLLOIDS AND INTERFACES, Potsdam, Germany)

10:25 Novel Anodic Concepts for the Selective Phenol Coupling Reaction

Prof. Siegfried WALDVOGEL (BONN UNIVERSITY, Bonn, Germany)

10:40 Coffee Break

Session Chair

Prof. Mogens Brøndsted NIELSEN (UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

11:10 Some New Reactions of a Kinetically Stabilized Silabenzene and Isolation of a Stable 1,1'-Disila-4,4'-biphenyl

Prof. Norihiro TOKITOH (KYOTO UNIVERSITY, Kyoto, Japan)

11:45 Scaffold-directed Synthesis of Aromatic and Carbon-rich Materials

Prof. Nancy S. GOROFF (STATE UNIVERSITY OF NEW YORK, Stony Brook, United States)

12:20 Observing Marcus Inverted Region in Photoinduced Electron Transfer in Alternating Silylene-Separated Donor-Acceptor Copolymers

Dr. Chih-Hsien CHEN (NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan)

12:35 Tetramethylenedicyclobutabenzene and Related Oxo-Derivatives: Synthesis and Characterization

Prof. Toshiyuki HAMURA (KWANSEI GAKUIN UNIVERSITY, Hyogo, Japan)

12:50 Lunch

14:10 Excursion

Program

Thursday July 23, 2009

Session Chair

Prof. Ken-Tsung WONG (NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan)

09:00 Aromatic Materials in Luminescence and Light Harvesting

Prof. Andrew B. HOLMES (THE UNIVERSITY OF MELBOURNE, Melbourne, Australia)

09:35 Aggregation-Induced Emission of Novel Aromatic Luminogens

Prof. Ben Zhong TANG (THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Hong Kong, China)

10:10 Forty Years with Dihydropyrene - Excellent Aromaticity Probe and Not a Bad Photochrome

Prof. Reginald H. MITCHELL (UNIVERSITY OF VICTORIA, Victoria, BC, Canada)

10:25 Radical-Substituted pi-Conjugated Radical Cations

Prof. Keiji OKADA (OSAKA CITY UNIVERSITY, Osaka, Japan)

10:40 Coffee Break

Session Chair

Prof. Peter BÄUERLE (UNIVERSITÄT ULM, Ulm, Germany)

11:10 Some Uncovered Facets in Dehydroannulene Chemistry: Reactivity, Aromaticity, and Self-Assembly on Solid Surface

Prof. Yoshito TOBE (OSAKA UNIVERSITY, Osaka, Japan)

11:45 "Aromatics in Flatland": Expressions of Chirality, Host-Guest Complexation and Network Formation on Metal Surfaces

Dr. Roman FASEL (EMPA – MATERIALS SCIENCE AND TECHNOLOGY, Dübendorf, Switzerland)

12:20 From the Bulk to the Interfaces: The Supramolecular Route towards Nanostructured Organic Materials

Prof. Davide BONIFAZI (THE UNIVERSITY OF NAMUR, Namur, Belgium)

12:35 On Surface Synthesis of Covalent 1D and 2D Polymers

Prof. Stefan HECHT (HUMBOLDT UNIVERSITY, Berlin, Germany)

12:50 Lunch

Session Chair

Dr Michal CYRA?SKI (UNIVERSITY OF WARSAW, Warsaw, Poland)

14:10 Molecular to Supramolecular Engineering of Organic Compounds for Multiphotonics. Beyond the Standard Approach

Program

Dr. Mireille BLANCHARD-DESCE (UNIVERSITÉ DE RENNES, Rennes, France)

14:45 Two-Photon Probes for Bioimaging

Prof. Bong Rae CHO (KOREA UNIVERSITY, Seoul, Korea, South)

15:20 A Molecular Force Probe

Prof. Roman BOULATOV (UNIVERSITY OF ILLINOIS, Liverpool, United Kingdom)

15:35 Control of the Helical Columnar Organization of Discotic Nanographenes towards High Performance Electronic Materials

Dr. Xinliang FENG (MAX PLANCK INSTITUTE FOR POLYMER RESEARCH, Mainz, Germany)

15:50 Coffee Break

Session Chair

Prof. Michael M. HALEY (UNIVERSITY OF OREGON, Eugene, Oregon, United States)

16:20 Dye Assemblies for Supramolecular Electronics and Photovoltaics

Prof. Frank WÜRTHNER (UNIVERSITÄT WÜRZBURG, Würzburg, Germany)

16:55 New Dihydroazulene Photoswitches

Prof. Mogens Brøndsted NIELSEN (UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

17:30 Public Lecture

Research in Luxembourg, Small but Beautiful

Prof. Lucienne BLESSING (UNIVERSITÉ DU LUXEMBOURG, Luxembourg, Luxembourg)

18:30 Reception

20:00 Banquet

Program

Friday July 24, 2009

Session Chair

Prof. Armin DE MEIJERE (GEORG-AUGUST UNIVERSITÄT, GÖTTINGEN, Germany)

09:00 Molecular Switches and Motors

Prof. Ben FERINGA (UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

09:35 Synthetic Molecular Motors and Machines

Prof. David LEIGH (UNIVERSITY OF EDINBURGH, Edinburgh, United Kingdom)

10:10 Molecular Electronics: from Molecular Design to New Integration Strategies

Prof. Marcel MAYOR (UNIVERSITY OF BASEL, Basel, Switzerland)

10:45 Coffee Break

Session Chair

Prof. Lawrence T. SCOTT (BOSTON COLLEGE, Chestnut Hill, United States)

11:15 Graphene and its Chemical Derivatives

Dr. Kostya NOVOSELOV (UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

11:50 Functionalization of Carbon Nanotubes: Synthesis, Applications and Challenges

Prof. Maurizio PRATO (UNIVERSITY OF TRIESTE, Trieste, Italy)

12:25 Water-Soluble Perylenebisimides and their Role in Exfoliation and Doping of Nano Tubes and Graphene

Prof. Andreas HIRSCH (UNIVERSITÄT ERLANGEN-NÜRNBERG, Erlangen, Germany)

13:00 Closing Ceremony