

**EUROPEAN SILICON DAYS TIMETABLE: 9 - 11 September 2007**

**SUNDAY, 9th of September 2007**

|             |                                      | <b>KEY</b>             |                       |
|-------------|--------------------------------------|------------------------|-----------------------|
| 14:00-19.00 | Registration - University Hall Foyer | <b>Plenary Lecture</b> | <b>Location</b>       |
| 20:00-21:30 | Civic Reception - Pump Rooms, Bath   | <b>Invited Lecture</b> | <b>Break or Event</b> |
|             |                                      | <b>Session Chair</b>   |                       |

**MONDAY, 10th of September 2007**

|  |  |   |  |
|--|--|---|--|
| <b>08:30 - 12:20 Dow Corning Theatre (University Hall)</b>   |  |   |  |
| 08:30 - 08:40  | Welcome & Opening<br><b>Chair J. Weis, WACKER Chemie AG, Germany</b>   |   |  |
| 08:40 - 09:40  | <b>WACKER Award Lecture - Y. Apeloig, Technion- Israel University of Technology, Israel</b><br><i>Recent Studies of Low-Coordination Silicon Compounds</i> |   |  |
| 09:40 - 10:00  | <b>T. Müller, Carl von Ossietzky Universität Oldenburg, Germany</b><br><i>Stability and Reactivity of Silyliumylidenes</i>                                 |   |  |
| 10:00 - 10:20  | <b>P. Jutzi, Universität Bielefeld, Germany</b><br><i>Some Reactions of the Pentamethylcyclopentadienyl Silicon Cation</i>                                 |   |  |
| 10:20 - 10:40  | Tea and Coffee Break - Level 1 Café  |   |  |
| <b>Chair U. Klingebiel, University of Göttingen, Germany</b> |  |   |  |
| 10:40 - 11:30  | <b>B. Arkles, Gelest Inc, USA</b><br><i>Hydrophobicity, Hydrophilicity and Silane Surface Modification</i>   |   |  |
| 11:30 - 11:50  | <b>R. West, University of Wisconsin, USA</b><br><i>Organosilicon Compounds for Energy Storage: Ultracapacitors</i>   |   |  |
| 11:50 - 12:10  | <b>N. Auner, Johann Wolfgang Goethe-University, Germany</b><br><i>Silicon Technology – Facts and Perspectives</i>  |   |  |
| 12:10 - 12:20  | <b>R. Tacke, University of Würzburg, Germany</b><br><i>CES Presentation</i>  |   |  |
| 12:20 - 13:15  | Lunch - Level 1 Café   |   |  |
| <b>13:15 - 17:05</b>   |  |   |  |
|  | <b>Dow Corning Theatre<br/>(University Hall)</b>   | <b>WACKER Theatre<br/>(3East2.1)</b>  | <b>Degussa Theatre<br/>(3East2.4)</b>  |
| <b>Chair W. Bains, Opal Drug Discovery, UK</b>               |  |   |  |
| 13:15 - 14:05  | <b>R. Tacke, University of Würzburg, Germany</b><br><i>Drug Design Based on the Carbon/Silicon Switch Strategy</i>   |   |  |
| 14:05 - 14:10  | Transfer time  |   |  |
| 14:10 - 14:30  | <b>S. Sieburth, Temple University, USA</b><br><br><i>Silanediol Protease Inhibitors:<br/>Advances in Preparative Methods</i>                               | <b>Chair O. Shchegolikhina, INEOS,<br/>D. Rankin, University of Edinburgh,<br/>UK</b><br><br><i>Bits and Pieces: Their Gas-Phase<br/>Structures</i> | <b>Chair R. Taylor, Dow Corning, UK</b><br><b>B. Marciniak, Adam Mickiewicz<br/>University, Poland</b><br><br><i>New Catalytic Activation of sp-<br/>Hybridized Carbon-Hydrogen Bond<br/>by Vinyl- and Vinyl-Germanium<br/>Compounds</i> |
| 14:30 - 14:50  | <b>P. Steel, University of Durham, UK</b><br><br><i>Silenes: New Opportunities for<br/>Organic Synthesis</i>   | <b>R. Becerra, University of Reading,<br/>UK</b><br><br><i>Are Si-H Bonds Really Stronger Than<br/>Ge-H Bonds?</i>                                  | <b>H. Stüger, CNRS-Université de<br/>Rennes I, France</b><br><br><i>Substituent Interactions in Transition<br/>Metal Containing Polysilanes</i>  |
| 14:50 - 15:10  | <b>C. Strohman, University of<br/>Würzburg, Germany</b><br><br><i>About the Stereochemistry of Lithiated<br/>Silanes</i>                                   | <b>J. Schraml - ASCR, vvi, Czech<br/>Republic</b><br><br><i>LC-NMR Analysis of Organosilicon<br/>Polymers</i>                                       | <b>M. E. Lee, Gangwondo, Korea</b><br><br><i>Recent Results on Stable Silyl<br/>Dianions</i>   |
| 15:10 - 15:30  | Tea and Coffee Break - Level 1 Café  |   |  |

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|---------------|--|---|--|
|               | <b>Chair F. Schattenmann, Momentive Performance Materials, Germany</b>   | <b>Chair J. Schraml - ASCR, vvi, Czech Republic</b>   | <b>Chair V. Negrebetsky, Russian State Medical University, Russia</b>  |
| 15:30 - 15:50 | <b>M. Froeba, University of Hamburg, Germany</b><br><br><i>Studies on the Optical Properties of Mesoporous Organosilicas with Conjugated Organic Units - on the Way Towards Colored PMOs</i> | <b>D. Kovalev, Physics Department, University of Bath, UK</b><br><br><i>Nanosilicon: New Properties - New Functionality</i>   | <b>D. Kost, Ben Gurion University, Israel</b><br><br><i>Competing Reactions of Hypercoordinate Silicon Dichelates, Associated with Conversion of Dative to Covalent N-Si Bond and Imine to Amine Donor Group</i> |
| 15:50 - 16:10 | <b>M. Wong Chi Man, ENSC de Montpellier, France</b><br><br><i>Insights into the Nanostructuring of Bridged Silsesquioxanes via Self-Assembly and Molecular Recognition</i>                   | <b>M. Weinman, Max-Planck-Institut für Festkörperforschung, Germany</b><br><br><i>Continuous Synthesis of Single Source Precursors for the Preparation of Silicon-based High-Temperature Ceramics</i> | <b>J. Wagler, Technische Universität Bergakademie Freiberg, Germany</b><br><br><i>Silicon Complexes of Dianionic Tridentate (ONO) and (NNO) Chelating Ligands</i>  |
| 16:10 - 16:15 | <i>Transfer time</i>   |   |  |
| 16:15 - 17:05 | <b>N. Hüsing, University of Ulm, Germany</b><br><i>Design of Inorganic and Inorganic-Organic Hybrid Material by Sol-Gel Processing: From Nanostructures to Hierarchical Networks</i>         |   |  |
| 18.00 - 19:30 | Poster Session with Real Ale - Claverton Rooms, University of Bath   |   |  |

**TUESDAY, 11th of September 2007**

|                      |  |                                  |                                   |
|----------------------|--|----------------------------------|-----------------------------------|
| <b>08:30 - 12:20</b> | <b>Dow Corning Theatre (University Hall)</b>   |                                  |                                   |
|                      | <b>Chair I. MacKinnon, Dow Corning Ltd, UK</b>   |                                  |                                   |
| 08:30 - 09:20        | <b>A. Sekiguchi, University of Tsukuba, Japan</b><br><i>Multiple bonded silicon chemistry: From double bond to triple bond</i>   |                                  |                                   |
| 09:20 - 09:40        | <b>T. Iwamoto, Tohoku University, Japan</b><br><i>Novel Palladium Complexes Featuring Isolable Dialkylsilylenes</i>  |                                  |                                   |
| 09:40 - 10:00        | <b>M. Driess, Technische Universität Berlin, Germany</b><br><i>Kipping's Dream Becomes Reality: Synthesis of Stable Compounds with a Silicon-Oxygen Double Bond</i>                    |                                  |                                   |
| 10:00 - 10:20        | <b>Dow Corning Award Winner - R. Panisch, Carl von Ossietzky Universität Oldenburg, Germany</b><br><i>Bissilylated Fluoronium Ions and Catalytic C-F Bond Activation</i>               |                                  |                                   |
| 10:20 - 10:40        | Tea and Coffee Break - Level 1 Café  |                                  |                                   |
|                      | <b>Chair R. Weidner, WACKER Chemie AG</b>  |                                  |                                   |
| 10:40 - 11:30        | <b>I. Manners, University of Bristol, UK</b><br><i>Polyferrocenylsilanes: Functional Polymers Based on Silicon and Iron</i>  |                                  |                                   |
| 11:30 - 11:50        | <b>D. Berry, University of Pennsylvania, USA</b><br><i>TBA</i>   |                                  |                                   |
| 11:50 - 12:10        | <b>D. Tilley, Department of Chemistry, University of California, Berkeley, USA</b><br><i>Bond Activations and Catalytic Transformations Involving Transition Metal-Silicon Systems</i> |                                  |                                   |
| 12:10 - 12:30        | <b>P. Lickiss, Imperial College, London UK</b><br><i>Metal-Organic Frameworks Containing Silicon-Based Ligands</i>   |                                  |                                   |
| 12:30 - 13:25        | Lunch - Level 1 Café   |                                  |                                   |
| <b>13:25 - 17:15</b> | <b>Dow Corning Theatre (University Hall)</b>   | <b>WACKER Theatre (3East2.1)</b> | <b>Degussa Theatre (3East2.4)</b> |
|                      | <b>Chair K. Brandstadt, Dow Corning Corporation, USA</b>   |                                  |                                   |
| 13:25 - 14:15        | <b>M. Brook, McMaster University, Canada</b><br><i>Why Are People Sceptical About Silicones as Biomaterials? Strategies for Improved Biocompatibility.</i>                             |                                  |                                   |
| 14:15 - 14:20        | Transfer Time  |                                  |                                   |

|               | <b>Chair A Bassindale, Open University</b>  | <b>Chair M Karni, Technion, Israel</b>  |   |
|---------------|---|---|---|
| 14:20 - 14:40 | <b>M. Backer, Dow Corning Ltd, UK</b><br><i>Sulfido Silanes in Tires – On the Road to Low VOC</i>   | <b>A. Muzafarov, Enikolopov Institute of Synthetic Polymer Materials of the RAS, Russia</b><br><i>Some New Synthetic Approaches Based on Sodiumoxymethylalkoxysilanes</i>           | <b>G. Lorentz, Bluestar Silicones, France</b><br><i>Silicone Elastomer Gels : New Soft Adhesives for Wound Care</i>   |
| 14:40 - 15:00 | <b>J. Münzenberg, Degussa GmbH, Germany</b><br><i>Water-Borne Multifunctional Sol-Gel Systems - A New Modular Concept for Inorganic Coating Systems</i>   | <b>M. Unno, Gunma University, Japan</b><br><i>Cyclic Polysilanol: Synthesis, Structures, and Application</i>  | <b>D. Bravo-Zhivotovskii, Technion-Israel Institute of Technology, Israel</b><br><i>Novel Geminal N &amp; C-peptide Type Substituted Silyllithium as Precursors Towards <math>\alpha</math>-Silapeptide</i>   |
| 15:00 - 15:20 | <b>P. Bissinger, 3M ESPE AG, Germany</b><br><i>A Way to Isocyanatoorgano Silicone Polymers</i>  | <b>Y. Kawakami, Japan Advanced Institute of Science and Technology, Japan</b><br><i>Interconversion of Intermediates in the Formation of Polyhedral Oligomeric Silsesquioxanes</i>  | <b>A. Höhne, ETH Zurich, Switzerland</b><br><i>Development of New Silicon-Based Building Blocks for <math>^{18}</math>F-Labeling of Biomolecules for Positron-Emission-Tomography</i>   |
| 15:20 - 15:40 | Tea and Coffee Break - Level 1 Café   |   |   |
| 15:40 - 16:00 | <b>Chair K. Klinkhammer, University of Mainz, Germany</b><br><b>N. Mitzel, Westfälische Wilhelms-Universität Münster, Germany</b><br><i>The <math>\alpha</math>-Effect in Silicon Chemistry: Comparison of Intramolecular Donor Acceptor Interactions in Systems of Different Ring Size</i> | <b>Chair E. Kroke, TU Bergakademie Freiberg, Germany</b><br><b>C. Marschner, Technische Universität Graz, Austria</b><br><i>Lewis Acid Catalysed Rearrangements of Cyclosilanes</i> | <b>Chair L. Vovelle, Bluestar Silicones, France</b><br><b>S. Minami, Daikin Industries, Japan</b><br><i>The Development of Fluorosilicone Graft Co-Polymers and Their Influence on The Oil and Water Repellency of Treated Textile Fabrics Through Surface Segregation Effects.</i> |
| 16:00 - 16:20 | <b>F. Gubbels, Dow Corning SA, Belgium</b><br><i>Overview of mechanisms and remedies of contamination by silicone based materials</i>   | <b>W. Stanczyk, Polish Academy of Sciences, Poland</b><br><i>Some Applied Aspects in Synthesis of Novel Branched Organosilicon Oligomers</i>  | <b>S. Holder, University of Kent, UK</b><br><i>Light Induced Controlled Release from Polysilane Block Copolymer Aggregates</i>  |
| 16:20 - 16:25 | Transfer Time   |   |   |
| 16:25 - 17:15 | <b>Chair G. Zank, Vice President &amp; Chief Technology Officer, Dow Corning Corporation, USA</b><br><b>J. Weis, Senior Vice President Corporate R&amp;D of WACKER Chemie AG, Germany</b><br><i>Future Challenges for Silicones –Bridging the Gap with Hybrid Materials</i>                 |   |   |
| 19:00-20:00   | Pre-dinner drinks, Octagon, Assembly Rooms, Bath  |   |   |
| 20:00-23:00   | Conference Dinner, Ballroom, Assembly Rooms, Bath   |   |   |