

## List of Publications

### Papers

- [1] Valentin Kulikov, Vladimir M. Mirsky, Tanya Delaney, Daniel Donoval, Alexander W. Koch and Otto S. Wolfbeis, "High-throughput analysis of bulk and contact conductance of polymer layers prepared by combinatorial electropolymerization", *Measurement Science and Technology* **15**, 2004
- [2] Vladimir M. Mirsky, Valentin Kulikov, Qingli Hao, Otto S. Wolfbeis, "Multiparameter High Throughput Characterization of Combinatorial Chemical Microarrays of Chemosensitive Polymers", *Molecular Rapid Communication* **25**, 2004
- [3] Kulikov V. and Mirsky V.M., "Equipment for combinatorial electrochemical polymerization and high-throughput investigation of electrical properties of the synthesized polymers", *Measurement Science and Technology*, **1**, 2004
- [4] Hao Q., Kulikov V. and Mirsky V.M., "Investigation of contact and bulk resistance of conducting polymers by simultaneous two- and four-point technique", *Sensors and Actuators, B: Chemical* **94**, 352-357, 2003
- [5] Vladimir M. Mirsky\*, Valentin Kulikov, Qingli Hao, Otto S. Wolfbeis, "Application of Combinatorial Electropolymerization to the Development of Chemical Sensors", MRS 2003 conference Proceedings

### Review

- [6] Mirsky, V. M. and Kulikov, V., "Combinatorial electropolymerization: concept, equipment and applications", in book: High Throughput Analysis: A Tool for Combinatorial Materials Science, 2004, 431-446

### Patent

- [7] Scheying G., Schulte T., Brinz T., Kulikov V. and Mirsky V., "Procedure and device for the production and examination of group arrangements" **2001-10131581**, 10-20020321, 2002

### Conference participation

- [8] APCOM 2000 - APPLIED PHYSICS OF CONDENSED MATTER (September 17–19, Slovakia), "Direct Current Automated Test System", ISBN 80-8040-160-8
- [9] EUROCOMBI (July 1– 5, Budapest), "Combinatorial Electropolymerization" (Poster presentation)
- [10] APCOM 2001 (September 17–19), "Automated Set-up for Formation and Investigation of Thin Polymer Films" (Oral presentation), ISBN 80-8040-160-8
- [11] APCOM 2002 (Jun 19-21, Slovakia), "Combinatorial Electropolymerization" (Poster presentation), ISBN 80-8040-186-1

- [12] ASDAM 2002 - Advanced Semiconductor Devices and Microsystems (October 14-16, Slovakia), „Set-up for Combinatorial Electrochemical Synthesis and High-throughput Investigation of Organic Semiconductor Polymers for Electronic Devices“ (Poster presentation)
- [13] EUROSENSORS 2002 (September 15-18, Prague CZ), “Set-up for Combinatorial Electro-polymerization and Investigation of Polymer Properties”, (Poster presentation)

### **Further presentation of this work**

- [14] The 6-th SMARTON Workshop of European Science Foundation, Leuven (Belgium), 2002, Poster presentation
- [15] Fall Meeting of Material Research Society, Boston (USA), 2003, Invited lecture of Dr. V. M. Mirsky
- [16] 3. Bio Sensor Symposium, Potsdam, 2003, Poster presentation
- [17] 9-th International meeting on Chemical Sensors, Boston (USA), 2002, Poster presentation
- [18] 53<sup>rd</sup> Annual meeting of Electrochemical Society, Düsseldorf (Germany), 2002, Poster presentation
- [19] International Workshop on Electrochemistry of Electroactive Materials (WEEM), Bad Herrenalb (Germany), 2003, Invited lecture of Dr. V. M. Mirsky