

MILUTIN IVANOVIĆ

Date and Place of Birth: 16.07.1984, Belgrade, Serbia

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Work Experience and Training

January 2020 – present Postdoctoral researcher, Laboratory of Chemistry of Organic Polymers (LCPO Team 4), University of Bordeaux. Supervisors: Dr. Eric Cloutet and Prof. Dr. Georges Hadziioannou

February – June 2019 Teacher of Chemistry, Elementary school Laza K. Lazarević, Šabac, Serbia.

September 2012 – June 2017 Research Associate, Institute of Physical and Theoretical Chemistry, University of Tübingen, Tübingen, Germany. Chair: Prof. Dr. Thomas Chassé

August – December 2011 (winter semester) Intern, University of South Carolina – Department of Chemical Engineering, Columbia, USA. Research group of Prof. Dr. Branko Popov

March – May 2011 Trainee, Institute of Public Health Šabac, Šabac, Serbia

Education

September 2012 – November 2019 Doctoral Studies in Physical Chemistry, Institute of Physical and Theoretical Chemistry, University of Tübingen, Tübingen, Germany

Supervisors: Prof. Dr. Thomas Chassé and Adjunct Prof. Dr. Heiko Peisert

October 2003 – September 2010 Faculty of Physical Chemistry, University of Belgrade, Belgrade, Serbia

9 September 2010 Diploma Thesis Defence

Title: Synthesis of transition metal oxides with combustion citrate gel technique and their characterization

Awarded Title: In Serbian – Diplomirani Fizikohemičar (10 semester studies, equivalent to MSc in Physical Chemistry)

Grade: Excelent

Supervisor: Academician Dr. Slavko Mentus

September 1999 – June 2003 Šabac Grammar School, Šabac, Serbia (secondary school)

Laboratory Skills

Characterization of organic thin films and their interfaces with the following methods (in-house measurements and at synchrotron facility):

- X-ray Photoemission Spectroscopy (XPS)
 - Ultraviolet Photoemission Spectroscopy (UPS)
 - X-ray Absorption Spectroscopy – (XAS)
 - Ultraviolet-visible absorption spectroscopy (UV-Vis)
 - Atomic Force Microscopy (AFM)
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Scientific Interest

Solid State Physics; Surface Science; Organic and inorganic thin films preparation; Analysis and characterization of the thin films; Interfacial phenomena of the thin films; Functional thin films for electronic devices.

List of publications

Electronic Structure of Hexacene and Interface Properties on Au(110) P. Grüninger, M. Polek, [M. Ivanović](#), D. Balle, R. Karstens, P. Nagel, M. Merz, S. Schuppler, R. Ovsyannikov, H. F. Bettinger, H. Peisert and T. Chassé The Journal of Physical Chemistry C (2018) 122 (34), pp 19491–19498

Femtosecond and Attosecond Electron Transfer Dynamics in PCPDTBT:PCBM Bulk Heterojunctions F. O. J. Johansson, [M. Ivanović](#), S. Svanström, U. Cappel, H. Peisert, T. Chassé, A. Lindblad The Journal of Physical Chemistry C (2018) 122 (24) 12605–12614

Ligand Influence on the Photophysical Properties and Electronic Structures of Tungsten Iodide Clusters A. Seyboldt, D. Ensling, [M. Ivanović](#), T. Jüstel, H. Peisert, T. Chassé, T. Jüstel, H. J. Meyer European Journal of Inorganic Chemistry 45 (2017), 5387–5394

Insight into the orientation of LBG polymer films by XANES experiment and calculation D.R. Batchelor, U. Aygül, U. Dettinger, [M. Ivanović](#), A. Tournebize, S. Mangolda, M. Forster, U. Scherf, H. Peisert, T. Chassé, European Polymer Journal 81 (2016) 686–693

Controlling the interface energetics of PCPDTBT by p-doping [M. Ivanović](#), H. Peisert, T. Chassé, Organic Electronics, 39 (2016) 267-271.

Electronic structure and self-organization properties of low band gap polymers: The effect of the introduction of additional thiophene moieties [M. Ivanović](#), U. Aygül, U. Dettinger, A. Tournebize, M. Polek, D. Batchelor, S. Mangold, M. Forster, U. Scherf, H. Peisert, T. Chassé, Solar Energy Materials and Solar Cells, 157 (2016) 286-294.

Influence of Graphene on Charge Transfer between CoPc and Metals: The Role of Graphene-Substrate Coupling J. Uihlein, M. Polek, M. Glaser, H. Adler, R. Ovsyannikov, M. Bauer, [M. Ivanović](#), A. Preobrajenski, A. Generalov, T. Chasse, H. Peisert The Journal of Physical Chemistry C 119 (2015) 15240–15247.

Electronic structure at transition metal phthalocyanine- transition metal oxide interfaces: Cobalt phthalocyanine on epitaxial MnO films M. Glaser, H. Peisert, H. Adler, U. Aygül, [M. Ivanović](#), P. Nagel, M. Merz, S. Schuppler, T. Chassé The Journal of Chemical Physics 142 (2015) 101918.

Molecular Orientation in Polymer/Fullerene Blend Films and the Influence of Annealing U. Aygül, H. Peisert, D. Batchelor, U. Dettinger, [M. Ivanović](#), A. Tournebize, S. Mangold, M. Förster, I. Dumsch, S. Kowalski, S. Allard, U. Scherf, T. Chassé Solar Energy Materials and Solar Cells 128 (2014) 119-125.

Conferences and Workshops

Controlling the energetics at the interface of p-doped low band gap polymer (Poster), M. Ivanović, H. Peisert, and T. Chassé, German Physical Society Spring Meeting, Regensburg, Germany, 6– 11 March 2016.

Influence of Graphene on Charge Transfer between CoPc and Metals: The Role of Graphene-Substrate Coupling (Poster), J. Uihlein, M. Polek, M. Glaser, H. Adler, D. Balle, R. Ovsyannikov, M. Ivanović, A.B. Preobrajenski, A.V. Generalov, T. Chassé, and H. Peisert, German Physical Society Spring Meeting, Regensburg, Germany, 6– 11 March 2016.

Influence of graphene interlayer on CoPc/Pt(111) interface (Poster), M. Polek, H. Adler, A. Generalov, M. Glaser, M. Ivanović, A. Preobrajenski, J. Uihlein, H. Peisert and T. Chassé, German Physical Society Spring Meeting, Berlin, Germany, 15 – 20 March 2015.

Relationship between the chemical structure of low band gap polymers and self-organization properties (Talk), M. Ivanović, U. Aygöl, U. Dettinger, A. Tournebize, D. Batchelor, S. Mangold, H. Peisert, and T. Chassé, German Physical Society Spring Meeting, Berlin, Germany, 15 – 20 March 2015.

Relationship between the chemical structure of low band gap polymers and self-organization properties (Poster), M. Ivanović, U. Aygöl, U. Dettinger, A. Tournebize, D. Batchelor, S. Mangold, H. Peisert, and T. Chassé, ANKA/KNMF Users' meeting 2014, Karlsruhe, Germany, 13-14 October 2014.

The role of processing additives in Organic Solar Cells after the preparation process (Poster), S. Vāth, A. Baumann, A. Sperlich, C. Deibel, M. Ivanović, H. Peisert, T. Chassé, and V. Dyakonov, German Physical Society Spring Meeting, Dresden, Germany, 30 March – 4 April 2014.

Interfaces between cobalt phthalocyanine and epitaxially grown ultrathin MnO films:

Evidence for charge transfer, (Poster), M. Glaser, H. Peisert, H. Adler, U. Aygöl, M. Ivanović, P. Nagel, M. Merz, S. Schuppler, and T. Chassé, German Physical Society Spring Meeting, Dresden, Germany, 30 March – 4 April 2014.

Orientation and self-organization properties of new low band-gap polymers (Poster), Umut Aygöl, David Batchelor, Ulf Dettinger, Florian Latteyer, Milutin Ivanović, Heiko Peisert, and Thomas Chassé, German Physical Society Spring Meeting, Regensburg, Germany, 10 – 15 March 2013.

Energy level alignment at interfaces between low-band-gap polymers and C60 (Poster), M. Ivanović, H. Peisert, I. Dumsch, M. Forster, U. Scherf, and T. Chassé, German Physical Society Spring Meeting, Regensburg, Germany, 10 – 15 March 2013.

Teaching Experience

Year 2012 – Year 2016 Supervision of practical laboratory course in Physical Chemistry in the length of 4 weeks (3 students) with an emphasis on the scientific field and techniques of expertise of our research group.

Year 2012 – Year 2016 Assistant of Physical Chemistry practical course for students of the first year of studies. The assistantship was done on regular weekly basis during the semester.

Computer Skills

Origin, Matlab, Unifit, MS Office, Windows OS

Languages

English (fluent), German (basic), Serbo-Croatian (mother tongue)

Awards

Scholarship, Ministry of Education, Science and Technological Development, Republic of Serbia
(2004 – 2008)
