

Curriculum Vitae

Name: Mikhail L. Zheludkevich

Date of birth: 29 July 1976

Place of birth: Republic of Belarus

Marital status: married

Position: Professor, Head of Department

Address: Institute of Materials Research, Helmholtz-Zentrum
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Education:

- PhD in Physical Chemistry, Belarus State University, December 2002 (Title of the Thesis: “Influence of oxygen and hydrogen dissociation on their interaction with some transition metals”)
- MSc in Physical Chemistry, Belarus State University, September 1999 (average mark 4.7 in 0..5 scale) Title of the Thesis: “Investigations of kinetics of iron and copper interaction with atomic and molecular oxygen.”
- BSc in Chemistry, Belarus State University, June 1998 (average mark 4.8 in 0..5 scale) Title of the Thesis: “Interaction of copper with atomic and molecular oxygen.”

Actual scientific interests:

Multi-functional surfaces, “smart” corrosion protection based on “self-healing” effect, localised electrochemistry, resorbable metallic bio-materials, Mg batteries, controllable release systems in the corrosion protection, nanostructured protective coatings, mechanisms of corrosion inhibition.

Teaching and research activities/experience:

from 03.2014 to present, Head of Department of Corrosion and Surface Technology, Magnesium Innovation Centre MagIC, Institute of Materials Research, Helmholtz-Zentrum Geesthacht, Germany.

from 03.2014 to present, Professor, Engineering Faculty, University of Kiel, Germany

from 09.2018 to present, Visiting Professor, Northeastern University, Shenyang, China

from 03.2015 to 03.2018, Invited Principal Researcher, Department of Materials Engineering and Ceramics, Universidade de Aveiro

from 03.2014 to 03.2015, Invited Professor, Department of Materials Engineering and Ceramics, Universidade de Aveiro

from 06.2013 to 02.2014, Senior Researcher, CICECO, Department of Materials Engineering and Ceramics, Universidade de Aveiro

from 01.2008 to 06.2013, Assistant Researcher, CICECO, Departamento de Engenharia Cerâmica e do Vidro, Universidade de Aveiro

12.2010, Invited Professor, Universidad Nacional Autónoma de México

from 01.2006 to 02.2014, Invited Assistant Professor (part time), Departamento de Engenharia Cerâmica e do Vidro, Universidade de Aveiro

from 07.2003 to 12.2007, Post Doctoral Researcher, Departamento de Engenharia Cerâmica e do Vidro, Universidade de Aveiro

from 12.2002 to 06.2003, Junior Researcher (part time), Chemical Department, Belarusian State University

from 09.2001 to 06.2003, Assistant Lecturer (part time), Chemical Department, Belarusian State University

from 11.1999 to 11.2002, PhD student, Chemical Department, Belarusian State University

from 10.1998 to 09.1999, MSc. Student, Chemical Department, Belarusian State University

from 11.1998 to 09.1999, Junior Researcher (part time), Chemical Department, Belarusian State University

from 08.1998 to 11.1998, Junior Researcher, Chemical Department, Belarusian State University

from 1996 to 1997, Technician (part time), Chemical Department, Belarusian State University

Membership in scientific societies and networks:

- Co-chair of WP22 – Corrosion control in Aerospace, European Federation of Corrosion.
- Member of technical group (TGS7) of European Research Found for Coal and Steel
- Member of International Society of Electrochemistry (ISE).
- Member of European Federation of Corrosion (EFC).

Prizes and awards:

- Tajima Prize of International Society of Electrochemistry, 2016.
- Prize of Portuguese Electrochemical Society for Young Researcher 2010.
- The award “Electrochimica Acta Most Cited Articles 2005 – 2009” for the paper M.L. Zheludkevich, R. Serra, M.F. Montemor, K.A. Yasakau, I.M.M. Salvado, M.G.S. Ferreira, Nanostructured Sol-Gel Coatings Doped with Cerium Nitrate as Pre-Treatments for AA2024-T3. Corrosion Protection Performance, Electrochimica Acta, Volume 51, Issue 2, 2005.

Organization of scientific events:

- Chairman – ASST – 2015 (VII Aluminium Surface Science & Technology), 17-21 May, 2015, Madeira, Portugal
- Co-chairman – SPE-2014 (19th Meeting of the Portuguese Electrochemical Society), 30 June-2 July 2014, Aveiro, Portugal
- Co-organizer - International Summer School on Multifunctional Smart Coatings and Surfaces, July 2016, July 2017, July 2018, University of Aveiro, Aveiro, Portugal.
- Member of organizing committee - The 11th International Conference on Magnesium Alloys and Their Applications, 24-27 July 2018, Old Winsor, UK.
- Member of international organizing committee – ASST 2018 (VIII Aluminium Surface Science & Technology), 27-31 May 2018, Helsingor, Denmark.
- Member of organizing committee - EUROCORR 2014, 1 - 5 September 2013 Estoril, Portugal.
- Member of scientific committee of 6 international conferences

Participation in scientific projects: Over 40 scientific projects as coordinator or team member.

Publications: 1 edited book; Over 180 papers in SCI journals; 13 patent applications; 13 book chapters

Communications: 45 Plenary, Key-note or invited lectures

H-index – 47, Total citations – 9672, according to Google Scholar (01.10.2018)

H-index -45, Total citations – 7569, according to Scopus (01.10.2018)

01.10.2018

Geesthacht, Germany