

ABBREVIATED CURRICULUM VITAE

of Prof. Dr. Dmytro Orlov

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EDUCATION:

- 2003 – **PhD**; Materials Science and Engineering; Donetsk National Technical University, Donetsk, Ukraine;
2002 – **Lecturer-Researcher** (*Graduated magna cum laude*); Donetsk National Technical University, Donetsk, Ukraine;
1999 – **MSc**; Metal Forming (*Graduated magna cum laude*); Donetsk State Technical University, Donetsk, Ukraine;
1998 – **BSc**; Metallurgy (*Graduated magna cum laude*); Donetsk State Technical University, Donetsk, Ukraine.

WORK EXPERIENCE:

- 2015 – present: **Professor**; Division of Materials Engineering, Department of Mechanical Engineering, LTH, Lund University (Lund, Sweden);
2014 – 2015: **Senior Research Scientist**; Materials Research Laboratory, University of Nova Gorica (Nova Gorica, Slovenia);
2012 – 2014: **Senior Researcher and Lecturer**; Research Organization of Science and Technology, Ritsumeikan University (Japan);
2009 – 2012: **Research Fellow**; Department of Materials Engineering, Monash University (Melbourne, Australia)
2007 – 2009: **Postdoctoral Fellow**; Department of Adaptive Machine Systems, Osaka University (Osaka, Japan)
2002 – 2010: **Research scientist** (tenured); Department of High Pressure Physics and Advanced Technologies, Donetsk Institute for Physics & Engineering of the National Academy of Sciences – Ukraine (Donetsk, Ukraine)

Other professional experience:

- 2017 – present: **Chair** of Magnesium Committee, The Minerals, Metals and Materials Society (TMS), USA;
2017: **Co-organiser**; Symposium “In-situ Methods for Unravelling Structure-Property Relationships in Light Metals”, 2017 TMS Annual Meeting & Exhibition; February 26 – March 2, 2017; San Diego, CA, USA;
2017: **Co-organiser**; Symposium “Magnesium Technology 2017”, 2017 TMS Annual Meeting & Exhibition; February 26 – March 2, 2017; San Diego, CA, USA;
2016 – 2017: **Vice-Chair** of Magnesium Committee, The Minerals, Metals and Materials Society (TMS), USA;
2016 – present: **Associate Professor** (*part-time*); University of Nova Gorica, Nova Gorica, Slovenia;
2014 – 2016: **JOM Advisor** on behalf of Magnesium Committee, The Minerals, Metals and Materials Society (TMS), USA;
2014: **Visiting Professor**; Department of Mechanics, Structures and Materials; École Centrale Paris, Paris, France;
2014: **Scientific Committee Member**; International Workshop on Solar Energy Materials, Vipava, Slovenia;
2012: **Coach**; Devised and delivered an intensive training for SEM and ‘Electron Backscatter Diffraction’ users in Donetsk Institute for Physics and Engineering, Donetsk, Ukraine;
2006: **Visiting Research Scientist**; Horita Laboratory, Kyushu University, Fukuoka, Japan;
2006: **Lecturer**; Modern University for the Humanities; *Devised the course of lectures in ‘Heuristics in Management’*;
2005 – 2006: **Assistant Professor**; Department of Metal Forming, Donetsk National Technical University;
2004: **Executive secretary**; NATO Advanced Research Workshop “Nanostructured Materials by High Pressure Severe Plastic Deformation”, Donetsk, Ukraine;

Membership in Professional Associations:

- 2015 – present: **Member**, The International Research Center for Mathematics & Mechanics of Complex Systems (M&MoCS), Università dell’Aquila, L’Aquila, Italy; (<http://memocs.univaq.it>)
2002,2004,2008,2013 – present: **Member**; The Minerals, Metals and Materials Society (TMS), USA (www.tms.org)
2017 – present: **Member of Powder Materials Committee**, Materials Processing & Manufacturing Division;
2014 – present: **Member of Magnesium Committee**, Light Metals Division;

Edited books and Special Issues in journals:

2017.02: *Magnesium Technology 2017*; edited by: Kiran N. Solanki, **Dmytro Orlov**, Alok Singh, Neale R. Neelameggham; The Minerals, Metals & Materials Series // Springer, TMS (The Minerals, Metals & Materials Society), ISBN 978-3-319-52391-0; DOI: 10.1007/978-3-319-52392-7;

2016.12: *JOM Special Issue ‘Advances and achievements in in-situ analysis of corrosion and structure-property relationship in Mg alloys’*; eds. **Dmytro Orlov** and Vineet Joshi, JOM, V.68, Issue 12 2016;

2015.10: *JOM Special Issue ‘Age-Hardenable Microalloying in Magnesium’*; eds. James E. Saal and **Dmitry Orlov**, JOM, V.67, Issue 10 (2015);

70+ research papers, 7 patents and 80+ presentations at international meetings including 20+ Invited.