

CURRICULUM VITAE

Univ.-Prof. Dr. Andrii Chumak

20.01.1982, married, two children

Faculty of Physics, University of Vienna

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Current Position

09/2019 – University Professor, Head of the “*Nanomagnetism and Magnonics*” Research Group, Faculty of Physics, University of Vienna, Austria

Previous Positions

2017 – 2019 Juniorprofessor (Assistant Professor) of Experimental Physics and Leader of ERC Research Group, Faculty of Physics, University of Kaiserslautern, Germany

2011 – 2016 Research Associate and Privatdozent of Experimental Physics (since 2016) AG Magnetismus, Faculty of Physics, University of Kaiserslautern, Germany

2009 – 2010 Postdoctoral Researcher
AG Magnetismus, Faculty of Physics, University of Kaiserslautern, Germany

2005 – 2008 Doctoral Student
Faculty of Radiophysics, Taras Shevchenko National University of Kyiv, Ukraine

2004 Visiting Researcher, Department of Physics, Colorado State University, USA

Education

2016 Habilitation (13.06.2016), Faculty of Physics, University of Kaiserslautern, Germany.
Topic: “*Magnonic crystals for magnon-based data processing*”
Mentor: Prof. B. Hillebrands

2009 PhD (28.04.2009, PhD defence 24.11.2008), Faculty of Radiophysics
Taras Shevchenko National University of Kyiv, Ukraine. Topic: “*Parametric restoration of elastically-scattered spin-wave signals*”, Supervisor Prof. G.A. Melkov

2003 – 2005 Study of Radiophysics and Electronics, Master (20.06.2005, honours Diploma)
Faculty of Radiophysics, Taras Shevchenko National University of Kyiv, Ukraine

1999 – 2003 Study of Applied Physics, Bachelor (23.06.2003, honours Diploma), Faculty of
Radiophysics, Taras Shevchenko National University of Kyiv, Ukraine

Main Research Fields

Magnetization dynamics, magnonics, nonlinear wave physics, spintronics

Publications and Presentations

- 3 book chapters
- 72 peer-reviewed articles, 3964 citations in Scopus, h-index = 34
- 67 contributions to conferences (36 invited talks and lectures, 22 invited seminars)

Functions in Research Societies and other Professional Activities

- 2018 Co-Chair of the 3rd International School on Magnonics, September 16-21, 2018, Kiev, Ukraine
- 2018 Chair of the Nano-Magnonics 2018 Workshop, Diemerstein, February 19-21, 2018
- 2016 – Pres. Member of the IEEE Magnetics Society Technical Committee
- 2016 – 2017 Guest Editor of the Journal of Physics D (WEH Seminar special issue)
- 2016 Chair of WE-Heraeus-Seminar on “*Magnonics - Spin waves connecting charges, spins and photons*”, January 6-8, 2016, Bad Honnef, Germany
- 2014 – 2016 Member of the Editorial Review Board of the IEEE Magnetics Letters
- 2012 Publication Chair of the IEEE International Conference on Microwave Magnetics (ICMM 2012), about 120 participants, August 26-29, 2012, Kaiserslautern, Germany
- 2012 Guest Editor and Editor in Chief of the IEEE Transactions on Magnetics (issue related to IEEE ICMM 2012)
- 2012 – Pres Program Committee Member: MAINZ Summer School 2018 (Beijing), ICM 2018 (San Francisco), Magnonics 2017 (Oxford), MAINZ Summer School 2017 (Beijing), Intermag 2017 (Dublin), Intermag 2014 (Dresden), Intermag 2012 (Vancouver)

Prizes and Awards

- 2015 ERC Starting Grant 678309 MagnonCircuits
- 2005 – 2008 Scholarship for PhD studies, Faculty of Radiophysics, Taras Shevchenko National University of Kyiv, Ukraine
- 2004 Award from National Academy of Sciences of Ukraine for a series of works on “*Microwave signal processing by means of spin waves*”

Memberships in Scientific Societies

- 2014 – Pres. Member, Deutsche Hochschulverband (DHV), Germany
- 2011 – Pres. Senior Member (from 2016), IEEE Magnetics Society
- 2011 – Pres. Member, Deutsche Physikalische Gesellschaft (DPG), Germany