

PROF. DR. ALEXANDER AKO KHAJETOORIANS



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EMPLOYMENT HISTORY (POST-GRADUATE)

- Since 09.2014 Full professor (tenured)/head of SPM department, Radboud University, IMM
- 08.2013-09.2014 Emmy Noether group leader (DFG), Hamburg University
- 10.2008-08.2013 Postdoctoral researcher, Hamburg University
- Group of Prof. R. Wiesendanger
 - Subgroup leader from 2010-2013

EDUCATION

- 2002-2008 Ph.D. Physics, University of Texas, Austin
- Supervisor: Prof. Chih-Kang Shih
 - Graduate Portfolio Certificate: Center for Nano and Molecular Science and Technology
- 1998-2002 Bachelor of Arts, Physics, University of California, Berkeley
Bachelor of Arts, Applied Mathematics, University of California, Berkeley
- 1998 High school diploma, Laguna Beach High School, California, USA

AWARDS & RECOGNITIONS

- 2018 ERC Consolidator Grant -- SPINAPSE
- 2015 VIDI grant (NWO)
- 2014 Nicholas Kurti European Science Prize
- 2013 Emmy Noether Independent Research Group (DFG)
- 2012 Gerhard Ertl Prize (DPG)
- 2008 Best dissertation presentation (CNM) - spring semester
- 2006-2008 IGERT Traineeship (NSF)
- 2004 "Nano-night" poster prize (CNM)
- 2002 Dean's scholar award (College of Natural Science, Uni. Texas, Austin)

EXTERNAL PROJECTS

- 2018 ERC Consolidator Grant -- SPINAPSE
- 2017 Coordinator/host: Marie Skłodowska-Curie Individual Fellowship (Dr. Brian Kiraly)
- 2018 Joint host: Feodor Lynen Research Fellowship, AvH foundation (Dr. Wouter Jolie)
- 2016 Projectruimte (FOM) - "Single atom memory"

2016	Participating Co-PI - Villum Center for Dirac Materials (PI: Ph. Hofmann)
2015	VIDI grant (NWO)
2015	Projectruimte (FOM) - "Magnetism with a twist"
2015	Joint host: Feodor Lynen Research Fellowship, AvH foundation (Dr. Nadine Hauptmann)
2014	SFB668 - B4 (DFG) part project leader in 3 rd funding period
2013-2014	Affiliated scientist: SPP1666 (DFG) (PI: J. Wiebe)
2013	Emmy Noether Programme (DFG)

TEACHING (POST-GRADUATE, ACADEMIC YEAR)

2019-2020	OLC chair for Physics and Astronomy (start 09.2019)
2018-2019	Nano-electronics (Bachelor)
2018-2019	Scanning Probe Microscopy (Master)
2017-2018	Nano-electronics (Bachelor)
2017-2018	Scanning Probe Microscopy (Master)
2016-2017	Nano-electronics (Bachelor)
2016-2017	Scanning Probe Microscopy (Master) <ul style="list-style-type: none"> • Student recognition for excellent teaching (OLC)
2015-2016	Nano-electronics (Bachelor) <ul style="list-style-type: none"> • Student recognition for excellent teaching (OLC)
2015-2016	Scanning Probe Microscopy (Master) <ul style="list-style-type: none"> • Student recognition for excellent teaching (OLC)

COMMITTEES, CERTIFICATES, AND RELATED ROLES

- Member of PAN (NWO), (start 07.2019)
- IMM Board member, (start 09.2019)
- Chair of the OLC chair in Physics and Astronomy, (start 09.2019)
- NWO Rubicon committee, (2019)
- Program committee (chair), Physics@Veldhoven (2019-2020)
- Scientific committee, E-MRS, Nice, France (2D semiconductors: applications and perspectives) (2019)
- Program committee, Physics@Veldhoven (2019)
- Fellow of Editorial college of SciPost Physics (2017)
- BKO teaching certificate (2017)
- Member of Gender and Diversity committee, Faculty of Science (2017-2019)
- Data steward, Institute of Molecules and Materials, (2017-2019)
 - Development and implementation of research data management policy at the IMM
- IMM "Theme Duo" leader (Theme 3: Quantum Matter), (2016-2019)
- Organizing committee (chair), SPSTM-7 + LTSPM-1 2018, Nijmegen
- Focus session organizer, "Bits and Brains: new materials and brain-inspired concepts for low energy information processing," Physics@Veldhoven 2017, Veldhoven

- Organizing committee (chair), Dutch SPM Day, 2016, Nijmegen
- Focus session organizer, Fysica 2016, Nijmegen
- Organizing committee, Young speakers contest, Fysica 2016, Nijmegen
- International committee member, SPSTM-6, Chiba, Japan

OUTREACH AND PRESS

- Individual activities
 - (04.2019) Interview on EenVandaag (01.04.2019)
 - (06.2018) Speaker at Radboud workshop on science communication
 - (02.2018) *YouTube* movie for the general public on department's research activities and infrastructure
 - (16.11.2018) Speaker at Radboud Reflects on cultural diversity
 - (18.11.2018) GenDi panel representative at Faculty Open Day
 - (24.02.2017) Speaker at the Project Interuniversitaire Olympiade Natuurkunde (PION) competition, Nijmegen
 - (16.04.2016) Expertise given in articles in the *NRC*
 - (15.04.2016) Expertise given in Article in *Forbes*
 - (11.2015) External perspective article in *Nature Nanotechnology*, "The makings of a Hund's metal"
 - (22.05.2015) Chairman of the symposium from the Marie Curie student organization
 - (29.10.2013) *Hamburger Abendblatt*, "Der Physiker: Alexander Ako Khajetoorians"
 - (06.07.2013) *Hamburger Abendblatt*, "1,8 Millionen Euro fuer Hamburger Nachwuchsforscher"
 - (05.01.2013) *Hamburger Abendblatt*, "Hamburger konstruieren kleinsten Datenspeicher der Welt"
 - (30.40.2012) Article in *Pro-Physik*, "Lego mit atomaren Magneten"
 - (05.04.2012) *Hamburger Abendblatt*, "Hamburger Physiker fuer Spintronik-Bauteil geehrt"
 - (27.05.2011) External perspective article in *Science*, "A Logical Use for Atoms"
 - (10.05.2011) *Hamburger Abendblatt*, "Hamburger wollen Computer-Chips 500-mal schneller machen"
 - (06.05.2011) Deutschlandfunk (radio), "Rechnen mit Dominoeffekt"
 - (06.05.2011) Article in *Pro-Physik*, "Das kleinste "Oder" der Welt"
- Group activities (since Fall 2016)
 - (12.04.2018) Participation in Girls' Day
 - (21.03.2018) Lab tour for students from microscope techniques
 - (05.03.2018) Lab tour from Stedelijk Gymnasium Nijmegen and Lycee Besancon
 - (02.06.2017) Lab tour students from SSGN
 - (16.05.2017) Lab tour radar experts from KNMI and SELEX
 - (13.04.2017) Participation in Girls' Day
 - (17.01.2017) Lab tour students from VWO
 - (16.12.2016) Lab tour alumni
 - (23.11.2016) Lab tour students from De Nassau Breda
 - (08.11.2016) Lab tour students from Nifterlake College Maarssen

LANGUAGES

- English (native speaker)
- German (fluent)
- Dutch (fluent)
- Spanish