

Andras Kis – Curriculum Vitae

Born 1st of November 1975 in Zagreb, Croatia

CONTACT INFORMATION

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EMPLOYMENT AND EDUCATION

- 2015- Associate professor at Ecole Polytechnique Federale de Lausanne (EPFL), School of Engineering (STI), Institute of Electrical Engineering (IEL)
- 2008-2015 Tenure-track assistant professor at Ecole Polytechnique Federale de Lausanne (EPFL), School of Engineering (STI), Institute of Electrical Engineering (IEL)
- 2004-2007 Postdoctoral researcher at the University of California, Berkeley, Physics Department in the group of Prof. Zettl
- 2000-2003 Graduate student at EPFL, Faculty of basic sciences, Institute of physics of complex matter, group of Prof. Forró
- 1999 Diploma thesis on the subject of the development of microcalorimetric measurements and measurements of the heat capacity of $(\text{TaSe}_4)_2\text{I}$, Institute of Physics, Zagreb and University of Zagreb
- 1994-1999 Physics department of the University of Zagreb, experimental and theoretical solid-state physics
- 1994 Baccalaureate, MIOC (Mathematical and Informational Educational Center) high school

ACHIEVEMENTS/AWARDS

- 2015 ERC consolidator grant (2.0 MCHF)
- 2009 ERC starting researcher grant (2.7 MCHF)
- 2004 Latsis Foundation University Prize (25000 CHF)
- 2003 Fellowship of the Swiss National Science Foundation
- 1997 Scholarship of the University of Zagreb
- 1997 Rector's award for the best student work in the academic year 1996/97 for the paper "Application of hierarchical models on the thermal relaxation in SDW systems"
- 1994 Participation on the 25th International Physics Olympiad in Beijing

PROFESSIONAL MEMBERSHIPS AND SERVICE

Member of:

American Physical Society (APS)
IEEE (EDS and Photonics Society)
American Chemical Society (ACS)
Materials Research Society (MRS)

Service:

2016- Editor-in-chief, Nature Partner Journal "2D Materials and Applications"

- 2016 Technical program co-chair, ESSDERC conference
- 2015- ESSDERC technical programme committee member
- 2015 Co-organized the NSF/EU Flagship workshop on 2D materials, Washington DC
- 2014 Organizing committee of MRS spring meeting 2014 session on 2D materials
- 2013 Organizing committee of Flatlands beyond graphene 2013 conference
- 2012- Member of the program/steering committee of the submitted DFG Priority program “Two-Dimensional Electronics with Two Dimensional Transition Metal Dichalcogenides”
- 2012 Organizing committee of IEEE Nano 2012 conference
- 2011 Organization of the TMCN 2011 conference at EPFL
- 2008- EPFL EDMI committee (doctoral school admission committee)
- 2005- Refereeing papers for Nature, Nature Materials and Nanotechnology, Physical Review Letters, Nano Letters, IEEE Electron Device Letters, Journal of Physical Chemistry, etc.
- 2012- Refereeing proposals for German Israeli Foundation for scientific research and development, ERC, NWO (Dutch Organisation for Scientific Research SSF (Swedish Foundation for Strategic Research)

VISIBILITY

>50 invited talks in the 2008-2015 period including 4× MRS, 2×APS March meeting, DRC, EMC, Graphene week, ICPS.

MAIN PUBLICATIONS IN THE LAST FIVE YEARS

Total of 63 peer-reviewed papers + 7 peer-reviewed review reviews, 10754 citations, 140 citations/paper, h-index 36 (Web of Science, August 2016). 14101 citations and h-index 41 according to Google Scholar. 15 papers in the Nature publishing group. 22 WOS Highly cited.

Link to complete and up-to-date publication list: <http://lanes.epfl.ch/publications>

Citation metrics (Researcher ID): <http://is.gd/akresid>

Google Scholar: <http://is.gd/akgoogsch>

1. B. Radisavljevic, A. Radenovic, J. Brivio, V. Giacometti, and **A. Kis**. Single-layer MoS₂ transistors. *Nature Nanotechnology*, 6, 174, 2011. Featured on the cover page and in the news and views section. doi: [10.1038/NNANO.2010.279](https://doi.org/10.1038/NNANO.2010.279).
2. O. Lopez-Sanchez, D. Lembke, M. Kayci, A. Radenovic, and **A. Kis**. Ultrasensitive photodetectors based on monolayer MoS₂. *Nature Nanotechnology* 8, 497, 2013. doi: [10.1038/nnano.2013.100](https://doi.org/10.1038/nnano.2013.100)
3. B. Radisavljevic and **A. Kis**. Mobility engineering and a metal-insulator transition in monolayer MoS₂. *Nature Materials* 12, 815, 2013. doi: [10.1038/NMAT3687](https://doi.org/10.1038/NMAT3687)
4. S. Bertolazzi, D. Krasnozhan, and **A. Kis**. Nonvolatile Memory Cells Based on MoS₂/Graphene Heterostructures. *ACS Nano* 2013. doi: [10.1021/nn3059136](https://doi.org/10.1021/nn3059136)
5. B. Radisavljevic, M.B. Whitwick, and **A. Kis**. Integrated circuits and logic operations based on single-layer MoS₂. *ACS Nano* 5, 9934, 2011. doi: [10.1021/nn203715c](https://doi.org/10.1021/nn203715c)