

## Curriculum Vitae

**Family name, First name: Gali, Ádám**

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Date of birth: 28.02.1973

Nationality: Hungarian Residence: Hungary

URL for web site: <https://www.fat.bme.hu/kulonc/galia/index.en.phtml>

### • EDUCATION

- 2011 Habilitation, Budapest University of Technology and Economics
- 2011 Doctor of Science (DSc), physics, Hungarian Academy of Sciences
- 2001 PhD, physics, Budapest University of Technology and Economics
- 1996 diploma, electric engineer, Budapest University of Technology and Economics

### • CURRENT POSITIONS

- 2010 – Current Research Advisor (Principal Member), Department of Theoretical Solid State Physics, Wigner Research Centre for Physics, Leader of Wigner ADMIL and ODMR laboratories
- 2019 – Current Professor, Budapest University of Technology and Economics (50%)

### • PREVIOUS POSITIONS

- 1999 – 2019 Postdoc, assistant professor, associate professor, Budapest University of Technology and Economics (with intermissions)
- 2007 – 2009 Postdoc, Faculty of Physics, Harvard University, USA (with an intermission)
- 2002 – 2007 Postdoc, Linköping University, Sweden (with intermissions)

### • FELLOWSHIPS AND AWARDS (SELECTED)

- 2012 – 2017 Guest Professor at Linköping University, Sweden
- 2011 – 2013 Guest Professor at Max-Planck-Institute Stuttgart, Germany
- 2010 – 2015 Establishment fund to set-up a new research group ("Lendület program" or Momentum program) at the Research Institute for Solid State Physics and Optics of the Hungarian Academy of Sciences (now, Wigner Research Centre for Physics)
- 2008 *Hungarian American Enterprise & Science Fund Fellowship to Harvard University*
- 2008 *Cross of Merit of the Hungarian Republic, Gold grade*
- 2008 *Talentum-Award of the Hungarian Academy of Sciences*
- 2007 Eötvös Fellowship from the Government of Hungary to Harvard University
- 2004 – 2007 Postdoctoral Research Scholarship of János Bolyai (Hungarian Academy of Sciences)
- 2003 *International Dennis Gabor Award*
- 2001 – 2004 Postdoctoral Fellowship of György Békésy (Government of Hungary)
- 2001 Award of the Hungarian Academy of Sciences for the young researcher
- 1997 EU TEMPUS scholarship to Chemnitz University (PhD)
- 1995 – 1996 Fellowship of the Republic of Hungary at the Technical University of Budapest (MSc)
- 1995 Special Award from the Rector of the Technical University of Budapest, Hungary (MSc)

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2015 – Current 12 Postdocs, 12 PhD students, 7 MSc Students
- 2001 – Current 18 Postdocs, 15 PhD students, 12 MSc students

### • TEACHING ACTIVITIES

- 2004 – 2010 Assistant Professor, lecturer, Quantum mechanics & Solid State Physics, Budapest University of Technology and Economics, Hungary (*Hungarian, German, and English courses*)
- 2004 – Current Assistant & Associate Professor, Course Coordinator & Lecturer, Computational atomistic simulation of solids (MSc, PhD), Budapest University of Technology and Economics, Hungary
- 2010 – Current Associate Professor & Professor, Course Coordinator, Practices in preparation of nanoparticles, experimental and theoretical characterization for chemical engineers and physicists, Budapest University of Technology and Economics & Loránd Eötvös Science University, Hungary

### • ORGANISATION OF SCIENTIFIC MEETINGS (selected)

- 2022 *Lead Organiser, Defects in solids for quantum technologies, Stockholm, Sweden*

- 2019 Hasselt Diamond Workshop, Member of the Programme Board, Hasselt, Belgium
- 2018 Organiser, European Materials Research Society Fall Meeting, symposium O on diamond growth, materials, and technology, Warsaw, Poland
- 2018 **Lead Organiser, CECAM-Workshop on “Crystal defects for qubits and single photon emitters”, Bremen (Germany)**
- 2017 Co-chair, European Materials Research Society Fall Meeting, symposium Silicon, Germanium, Diamond and Carbon nanostructures, Warsaw, Poland
- 2017 **Lead Organiser, Symp. ED1 (on using SiC, diamond and related materials for quantum technology), Materials Research Society Spring Meeting, US**
- 2013 Lead Organizer, Diamond quantum sensing workshop, Budapest, Hungary
- 2010 – Current Organiser, International and European Silicon Carbide and Related Materials. Participants: 450 – 700, in various places in Europe, USA, and Japan

- **INSTITUTIONAL RESPONSIBILITIES**

- 2023 – Current **Head of the Panel of Physics at National Office of Research, Innovation and Technology (OTKA)**
- 2022 – Current **Deputy Leader of the Institute of Solid State Physics and Optics of Wigner RCP**
- 2020 – Current **vice-leader of the Quantum Information National Laboratory at Wigner RCP (Hungary)**
- 2018 – Current **Delegated vice-Representative of Hungary in Quantum Community Network (Europe)**

- **COMMISSIONS OF TRUST (selected; peer review)**

- 2018 – Current ERC Starting and Advanced Grant proposals on quantum technology (quantum emitters)
- 2017 – Current SFI (Science Fund of Ireland) pre-selection of proposal for submission to ERC proposals
- 2016 – Current Hungarian Academy of Sciences large scale (domestic ERC-type) proposals
- 2016 – Current FWO (Flemish Scientific Research Council) diamond proposals
- 2016 – Current ARC (Australian Research Council) quantum technology proposals
- 2016 – Current DFG (German Science Foundation) theory & nanomaterials proposals
- 2016 – Current ANR (French Science Agency) quantum technology proposals
- 2016 – Current GACR (Czech Science Foundation) large scale (domestic ERC-type) proposals
- 2016 – Current SNF (Swiss National Science Fund) DFT theory proposals
- 2008 – Current NKFIH (Hungarian Funding Agency) large scale R&D&I and fundamental proposals

- **INVITED TALKS**

Adam Gali gives frequently invited or keynote lectures at international conferences including APS, MRS, International and European Diamond Conference, Gordon Research Conferences and various topical conferences, specialized workshops, invited seminars and colloquia organized in Europe, U.S., China, Japan etc. (since 2003 ~ 75 invited presentations, 2017 – 5 invited presentations were given 2018 – 7 invited presentations, 2019 – 7 invited presentations, 2021/2022 – 7 invited presentations). See list.

- **OUTREACH**

Adam Gali is a frequent speaker at outreach actions, e.g., he gave an interview to Research Europe in a common article with Prof. Jürgen Mlynek, who is chairing the experts of Quantum Technology Flagship. The topic of NV diamond physic was popularised in articles in most read newspapers at that time. Hungarian TV news and interviews showed the research field at popular language (available at arxiv sites and youtube). In addition, the science was introduced also to pupils (such as conversation with pupils about “Quantum Internet” in 2018 at Wigner Research Centre for Physics).

- **MAJOR COLLABORATIONS (selected)**

- Prof. Fedor Jelezko (University Ulm, Germany).
- Prof. Dmitry Budker (UC Berkeley, USA & University of Mainz, Germany)
- Prof. Shimon Kolkowitz (University of Wisconsin-Madison, USA)
- Prof. Jörg Wrachtrup (Stuttgart University, Germany)
- Prof. Vincent Jacques (University of Montpellier, France)
- Prof. David D. Awschalom (University of Chicago)
- Dr. Nathalie P. de Leon (Princeton University)
- Prof. Milos Nesladek (IMEC & Hasselt University)
- Dr. Jin-Shi Xu (Chinese Academy of Sciences, Hefei)