

## CV of András Halbritter

### Personal data

Name András Halbritter  
Position Professor  
Current institution Department of Physics,  
Budapest University of Technology and Economics  
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Date of birth 1976

### Education

1999 MSc degree in physics, BME, Hungary  
2003 PhD in Physics "*Investigation of atomic-sized conductors with the mechanically controllable break junction technique*", BME Hungary  
2015 DSc in Physics "*Electron transport at atomic scale*", Hungarian Academy of Sciences

### Employment

2004-2008	Assistant professor	Department of Physics, BME, Hungary
2008-2012	Associate professor	Department of Physics, BME, Hungary
2012-2015	Associate professor, head of department	Department of Physics, BME, Hungary
2015-	Professor, head of department	Department of Physics, BME, Hungary

### Awards and prizes

2004 Award for "Outstanding PhD/DLA works" by: Foundation for the Hungarian Higher Education and Research  
2005 Young Scientist Award of the Hungarian Academy of Sciences  
2005-2008 Bolyai Janos Research Fellowship (Hungarian Academy of Sciences)  
2009-2012 Bolyai Janos Research Fellowship (Hungarian Academy of Sciences)  
2011 "TDK MUNKÁÉRT emlékplakett" by the Budapest University of Technology and Economics

### Research interest

- Nanophysics
- Molecular electronics
- Resistive switching in atomic-scale memristors

## **Teaching activity**

- Measurement techniques (BSc in Physics)
- Basic and advanced laboratory exercises (BSc and MSc in Physics)
- Applied solid state physics (BSc in Physics)
- Nanophysics (MSc and PhD in Physics)
- Nobel prize physics in everyday application (elective course)

## **Students supervised**

- TDK work (elective scientific work): Szabolcs Csonka (2000), Péter Makk (2006), András Gyenis (2008), László Pósa (2010), Zoltán Balogh (2011), András Magyarkuti (2011, 2012), Ágnes Gubicza (2012), Botond Sánta (2015)
- BSc students: László Pósa (2010), Zoltán Balogh (2010), András Magyarkuti (2011), Tamás Prok (2015)
- Msc students: Péter Makk (2007), Máté Vigh (2010), László Pósa (2012), Zoltán Balogh (2012), András Magyarkuti (2013), Botond Sánta (2015)
- PhD students: Péter Makk (2012), László Pósa (in progress), Zoltán Balogh (in progress), András Magyarkuti (in progress)

## **Memberships and professional service**

- Member of public body of the Hungarian Academy of Sciences
- Member of the Solid State Physics Scientific Board of the Hungarian Academy of Sciences
- Member of the Habilitation Committee and Doctoral Council of the Doctoral School of Physics, Budapest University of Technology and Economics