# CV of Endre Tóvári

## Personal data


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| Name | Endre Tóvári |
| Position | PhD student |
| Current institution | Department of Physics, Budapest University of Technology and Economics H-1111 Budapest, Budafoki út 8, Hungary |
| e-mail | tovariendre@gmail.com |
| Phone | +36 1 463 16 50 |
| Date of birth | 1987 |


## Education

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|---|---|
| 2010 | MSc in Physics, Budapest University of Technology and Economics |

## Awards and prizes

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| 2011 | '30th National Conference of Scientific Students' Associations (OTDK), Nyíregyháza', 'Physics, Geography and Mathematics' section, 'Nanophysics' subsection, 3rd award with distinction |

## Research interest

- graphene
- graphene nanoribbons and quantum dots
- quantum Hall effect
- ballistic transport
- nanoelectronics

## Languages

English (master), French (basic)

## Scientific impact (as of 31/12/2015)

6 papers in refereed journals
Total number of citations: 24
H-index: 3
Complete list of publications: `https://vm.mtmt.hu//search/slist.php?AuthorID=10042519&`

Scientific=1

**Five selected publications**


1. P. Rickhaus, P. Makk, M.-H. Liu, E. Tóvári, M. Weiss, R. Maurand, K. Richter, C. Schönenberger, *Snake trajectories in ultraclean graphene p-n junctions*, Nature Communications **6**, 6470 (2015)
2. M.-H. Liu, P. Rickhaus, P. Makk, E. Tóvári, R. Maurand, F. Tkatschenko, M. Weiss, C. Schönenberger, K. Richter, *Scalable Tight-Binding Model for Graphene*, Physical Review Letters **3** (114), 036601 (2015)
3. E. Tóvári, M. Csontos, T. Kriváchy, P. Fürjes, S. Csonka, *Characterization of SiO2/SiNx gate insulators for graphene based nanoelectromechanical systems*, Applied Physics Letters **105** (12), 123114 (2014)
4. R. Maurand, P. Rickhaus, P. Makk, S. Hess, E. Tóvári, C. Handschin, M. Weiss, C. Schönenberger, *Fabrication of ballistic suspended graphene with local-gating*, Carbon **79**, 486 (2014)
5. P. Rakyta, E. Tóvári, M. Csontos, Sz. Csonka, A. Csordás, J. Cserti, *Emergence of bound states in ballistic magnetotransport of graphene antidots*, Physical Review B **90**, 125428 (2014)