

# Péter Onódi

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## EDUCATION

**Delft University of Technology),**  
Faculty of Aerospace Engineering

- Master of Science in Aerospace Engineering (admitted) Sep 2016
  - Track Flight Performance and Propulsion

**Budapest University of Technology and Economics (BME),**  
Faculty of Transportation Engineering and Vehicle Engineering

- Bachelor of Science in Vehicle Engineering Sep 2012 – Jan 2016
  - Specialised in Aerospace Engineering
  - Cumulative GPA: 4.27 / 5.00
  - BSc thesis grade: excellent (5)
  - Final exams: Flight Dynamics, Control and Automation, Aircraft Systems and Avionics

**Imre Madách Grammar School,**  
Šamorín, Slovakia

Sep 2008 – May 2012

- Mathematics graduation test in top 1% in the country

## WORK EXPERIENCE

**Institute for Computer Science and Control,**  
Hungarian Academy of Sciences (MTA SZTAKI),  
Aerospace Guidance, Navigation and Control Group

- Developer (part time) Sep 2015 – Jun 2016
  - Continuing the development of a safety critical UAV test platform
  - Mathematical modelling and simulations
  - Component design
  - Documentation

- Intern May 2015 – Aug 2015

**Department of Vehicle Elements and Vehicle-Structure Analysis, BME**

- Software development Dec 2014 – Feb 2015

## ACADEMIC AWARDS, SCHOLARSHIPS

### SCHOLARSHIPS

- Scholarship of the Hungarian Republic, Sep 2015 – Jun 2016  
Granted by the Ministry of Human Capacities for outstanding academic performance
- KBME scholarship, Sep 2014 – Jun 2016  
For communal activities on the faculty
- TÁMASZ scholarship, Sep 2014 – Jun 2015  
Granted by Balassi Institute and Ministry of Human Capacities for foreign students

### COMPETITIONS

- Logistics Team Championship, May 2015  
Four-round national competition.
  - 3<sup>rd</sup> place from 31 teams
- Aircraft Design Competition, Dec 2013 – May 2014  
Von Karman Institute for Fluid Dynamics.
- XXXVI. FMMV, Feb 2012  
Math competition for high-school students.
  - National 3<sup>rd</sup> place

## CONFERENCES

**Conference of Student's Scholarly Circles (TDK)**

Nov 2015

Presentation: 'Mathematical modelling of an unmanned aerial vehicle'

**Short Course on UAVs and Small Aircraft Design,**

May 2014

Von Karman Institute for Fluid Dynamics

<b>CAMPUS</b>	<b>Student Association of Mechanical Engineers (BME GJSZ)</b>	May 2014 – Present
<b>ACTIVITIES</b>	<ul style="list-style-type: none"> <li>▪ Aerial Vehicle Group <ul style="list-style-type: none"> <li>• Conceptual design of a box wing UAV</li> </ul> </li> </ul>	
	<b>Közhír</b> - Faculty Magazine	Oct 2012 – Dec 2015
	<ul style="list-style-type: none"> <li>▪ Student magazine of the year in Hungary in 2015 (DUE Award)</li> <li>▪ Journalist, copy editor</li> </ul>	
	<b>Mentor Team</b>	Apr 2014 – Mar 2016
	<ul style="list-style-type: none"> <li>▪ Holding preparation courses and consultations (Math, Engineering Drawing, etc.)</li> <li>▪ Teaching University Civics for vehicle engineers</li> <li>▪ Organization of programmes for first-year students</li> </ul>	
<b>LANGUAGES</b>	<ul style="list-style-type: none"> <li>▪ English: Advanced (C1) <ul style="list-style-type: none"> <li>• IELTS exam (Overall Band Score: 8.0)</li> </ul> </li> <li>▪ Hungarian: Native language</li> <li>▪ Slovak: Advanced (C1)</li> <li>▪ German: Intermediate (B2)</li> <li>▪ Czech: Intermediate</li> <li>▪ Dutch: Beginner</li> </ul>	
<b>SKILLS</b>	Solid Edge, MATLAB, Delphi, Pascal, XFLR5, Tornado, Ansys (CFX), Catia, Athena Vortex Lattice, KISSsoft, Femap, Mathcad, MS Office, $\text{\LaTeX}$ , HTML	
<b>INTERESTS</b>	Running, table tennis, gliding, scale modelling	

*Budapest, May 15, 2016*