



## Europass Curriculum Vitae



### PERSONAL INFORMATION

Name **Marius George Marcu**  
Address  
Mobile  
E-mail \_\_\_\_\_  
Web \_\_\_\_\_  
Birth date

### WORK EXPERIENCE (ACADEMIC)

01/09/2016 → prezent  
Position Professor  
Institution Politehnica University of Timisoara  
2 V. Parvan Blv., 300223 Timisoara (Romania)

01/10/2006 → 31/08/2016  
Position Associate professor  
Institution Politehnica University of Timisoara  
2 V. Parvan Blv., 300223 Timisoara (Romania)

01/10/2000 - 30/09/2006  
Position Lecturer  
Institution Politehnica University of Timisoara  
2 V. Parvan Blv., 300223 Timisoara (Romania)

01/10/1996 - 30/09/2000  
Position Teaching assistant  
Institution Politehnica University of Timisoara  
2 V. Parvan Blv., 300223 Timisoara (Romania)

### WORK EXPERIENCE (INDUSTRY)

01/01/2020 → 31/03/2022  
Position Project manager  
Company SC AirView SRL Timisoara / spin-off UPT  
58 Lalelelor, 307160 Dumbravita (Timiș, Romania)

01/05/2018 → 30/10/2020  
Position Research consultant  
Company SC Lasting Software SRL Timisoara  
2 M. Costin, 300174 Timisoara (Romania)

01/09/2015 → 01/05/2018  
Position CTO / Product Owner Canvy  
Company SC Intuitive Software SRL Timisoara / startup

2 M. Costin, 300174 Timisoara (Romania)  
 01/01/2000 → 31.12.2012  
 Position Software Project developer / manager  
 Company SC Lasting Software SRL Timisoara  
 2 M. Costin, 300174 Timisoara (Romania)

## EDUCATION AND TRAINING

2015 – 2016  
 Title Habilitation in Computers and Information Technology  
 Institution Universitatea Politehnica Timisoara (Romania)  
 1998 - 2005  
 Title PhD in Computer Science and Engineering  
 Institution Universitatea Politehnica Timisoara (Romania)  
 1995 - 1996  
 Title Master in Computer Engineering  
 Institution Universitatea Politehnica Timisoara (Romania)  
 1990 - 1995  
 Title Bachelor in Calculatoare si Tehnologia Informatiei  
 Institution Universitatea Politehnica Timisoara (Romania)  
 1986 - 1990  
 Title Bacalaureate  
 Institution Liceul de matematică-fizică "Moise Nicoara"  
 Arad (Romania)

## PERSONAL SKILLS

Mother tongue **română**

Other languages

European level (*)	Understanding		Speaking				Writing	
	Listening	Reading	Spoken interaction		Spoken production			
<b>English</b>	C1 Proficient user	C1 Proficient user	B1	Independent user	B2	Independent user	B2	Independent user

(\*) [Common European Framework of Reference \(CEF\) level](#)

Managerial skills Project manager or partner responsible of 2 national grants and 3 international grants

Dean of Faculty of Automation and Computers

Technical skills Mobile computing, context-aware communication, energy management – mobile apps design and development

Computer networks, wireless networks – network & cloud design and development

Microprocessors and embedded systems – hardware systems design and development

Teaching experience Author of more than 10 courses and practical activities

Scientific experience More than 130 published papers

3 Cărți  
 3 Capitole de cărți  
 1 Îndrumător laborator  
 1 Teză de abilitare

	<p>1 Teză doctorat  2 Rapoarte doctorat  12 Articole jurnal  67 Articole conferințe</p> <p>Visibility: Google Scholar – 438 citations , WoS – 77 citations, Scopus – 180 citations  Indexes: Google Scholar – 11, WoS – 5, Scopus - 8</p>
Relevant papers	<p>Bercean, B.A., Birhala, A., Ardelean, P.G., Barbulescu, I., Benta, M.M., Rasadean, C.D., Costachescu, D., Avramescu, C., Tenescu, A., Iarca, S. and Buburuzan, A.S., 2023. Evidence of a cognitive bias in the quantification of COVID-19 with CT: an artificial intelligence randomised clinical trial. <i>Scientific Reports</i>, 13(1), p.4887.</p> <p>Gabriel Cârstoiu, Mihai V Micea, Lucian Ungurean, Marius Marcu, Novel battery wear leveling method for large-scale reconfigurable battery packs, <i>International Journal of Energy Research</i>, Vol. 45 (2), pp. 1932-1947, 2021</p> <p>Ionascu, Marian-Emanuel; Castell, Nuria; Boncalo, Oana; Schneider, Philipp; Darie, Marius; Marcu, Marius, Calibration of CO, NO2, and O-3 Using Airify: A Low-Cost Sensor Cluster for Air Quality Monitoring, <i>Sensors</i>, Vol. 21 Iss. 23, 2021</p> <p>Răzvan Bogdan, Mihaela Crișan-Vida, Darius Barmayoun, Loredana Lavinia Staicu, Robert Valentin Puiu, Mădălina Lup, and Marius Marcu, Optimization of AUTOSAR Communication Stack in the Context of Advanced Driver Assistance Systems, <i>Sensors</i>, vol. 21, iss. 13, 2021</p> <p>M. Marcu, M. Ghenea, C. Cernazanu-Glavan, M. Ionascu, An investigation on FPGA based energy profiling of multi-core embedded architectures, <i>IEEE International Conference on Electronics, Circuits and Systems (ICECS)</i>, 2016</p> <p>M. Marcu, Power-thermal profiling of software applications, <i>Microelectronics Journal</i>, 42 (4), pp.601-608, Apr. 2011, ISSN 0026-2692</p> <p>M. Marcu, Oana Boncalo, Madalin Ghenea, Alexandru Amaricai, Jan Weinstock, Rainer Leupers, Zheng Wang, Giorgis Georgakoudis, Dimitrios Nikolopoulos, Low-Cost Hardware Infrastructure for Runtime Thread Level Energy Accounting, <i>Architecture of Computing Systems, ARCS 2016</i>, pp 277-289, Mar. 2016</p>
Research projects	<p>More than 10 research and development grants  4 International R&amp;D Grant  5 National R&amp;D Grants  6 National R&amp;D Contracts  4 Project Director</p>
Infrastructure and development projects	<p>5 infrastructure projects  2 innovative products (<a href="http://www.gocanvy.com">www.gocanvy.com</a> și <a href="http://www.airify.eu">www.airify.eu</a>)  3 patent requests</p>

Relevant projects	<p>Marcu Marius (Responsabil partener), Razvan Bogdan, Sergiu Nimara, Marian Ionascu, ECOMOME, Energy consumption measurements and optimization in mobile networks, CHIST-ERA, 2022-2024, ~150000 EUR</p> <p>Marcu Marius (Responsabil partener), Popa Mircea, Fuicu Sebastian, Amaricai-Boncalo Alexandru, Amaricai-Boncalo Oana, Bogdan Razvan, "GEMSCCLAIM - GreenEr Mobile Systems by Cross LAYer Integrated energy Management", CHIST-ERA, 2012-2015, ~250000 EUR.</p> <p>Amaricai Alexandru, Popa Mircea, Stratulat Mircea, Marcu Marius, Nimara Sergiu, "iRisc – Innovative Reliable Chip Designs from Low-Powered Unreliable Components", EU FP7 FET-Open, 2013-2016, Budget: 2 mil EUR, UPT Budget : 177 k EUR</p> <p>Ghiata Nadia, Marcu Marius, Damian Horia, "VirtualAssist – Asistent virtual personal pentru comunicatii bazate pe context", 1482/POSCCE-A2-O2.3.1-2008-1, Budget: 200k EUR</p> <p>Marcu Marius, Popa Mircea, Micea Mihai, Gui Vasile, "MobileAssistant - Cross border academic development of an image-based recommendation system for regional educational purposes", HURO/1001/283/2.3.1, 2012, ~70 k EUR</p> <p>Cretu Vladimir, Ciocarlie Horia, Tudor Dacian, Marcu Marius, Micea Mihai, Macariu Georgiana, Jebelean Calin, eMuCo "Embedded Multi-Core Processing for Mobile Communications", Contract No.: 216378/1 Feb 2008,2008-2010,184000,STREP R&amp;D Grant, EU 7th Framework.</p> <p>Marcu Marius (Director), Popa Mircea, Fuicu Sebastian, Tudor Dacian, Stratulat Bogdan, Stratulat Iulia, Open Execution Framework for Low Consumption Battery Powered Mobile Devices,680/19.01.2009,2009-2011,~100000 EUR,CNCSIS PNCDI_II IDEI</p> <p>Mircea Popa (Responsabil partener), Sebastian Fuicu, Marius Marcu, Razvan Bogdan, Joint Cross-Border Internet Communication System of the University of Debrecen and Politehnica University of Timisoara - JCBICS-UDPUT, HURO/1101/074/1.2.1, 2013-2015, 771 325,84 €</p> <p>Mircea Popa (Director proiect), Octavian Proșteanu, Cristian Vașar, Sebastian Fuicu, Marius Marcu, Razvan Bogdan, Cross-border access infrastructure to high-level education through webcasts (EduWebCast), RoSb 2015, ~120 000 EUR.</p>
Competitions	Locul întâi ca mentor la faza națională a concursului studentesc ImagineCup - Software Design Competition, 2012
Driving license	B