

## Curriculum Vitae Europass



### Personal information

First name(s) / Surname(s) **Radu Adrian VASIU**  
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 Web page <http://www.cm.upt.ro/staff/raduvasiu>  
 Nationality Romanian  
 Date of birth 28.10.1957

### Work experience

Dates	<b>Febr. 2016 – present</b>
Occupation or position held	<b>President of the Politehnica University of Timisoara Senate</b>
Main activities and responsibilities	Responsible for the legislative, decision and debates in the university
Name and address of employer	Politehnica University of Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara
Type of business or sector	Higher education, Scientific research
Dates	<b>2012 – 2016</b>
Occupation or position held	<b>President of the Research Committee of the Politehnica University of Timisoara Senate</b>
Main activities and responsibilities	Responsible for the research strategy and policies of the university
Name and address of employer	Politehnica University of Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara
Type of business or sector	Higher education, Scientific research
Dates	<b>2012 – present</b>
Occupation or position held	<b>Member of the National Council for Attesting Titles, Diplomas and University Certificates (CNATDCU)</b>
Main activities and responsibilities	Member of the Commission for Electronics, telecommunications and nanotechnologies
Name and address of employer	Romanian Ministry of National Education and scientific Research, Bucharest
Type of business or sector	Higher education, Scientific research
Dates	<b>2005 – present</b>
Occupation or position held	<b>PhD supervisor in the field of Electronics and Telecommunications</b>
Main activities and responsibilities	Supervising PhD students – 10 PhD thesis certified
Name and address of employer	Politehnica University of Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara
Type of business or sector	Research, higher education
Dates	<b>2004 – 2012</b>
Occupation or position held	<b>Scientific Secretary of the “Politehnica” University of Timisoara</b>
Main activities and responsibilities	Responsible for the research and International Relations of the university
Name and address of employer	“Politehnica” University of Timisoara, Rectorate, Pta. Victoriei, nr. 2, 300006 Timisoara
Type of business or sector	Higher education, Scientific Research

Dates	<b>2003 – present</b>
Occupation or position held	<b>Director of the Multimedia Research Center</b>
Main activities and responsibilities	Research responsible, research management, research, development national and international projects
Name and address of employer	"Politehnica" University of Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara
Type of business or sector	Higher education, Scientific research
Dates	<b>2002 – present</b>
Occupation or position held	<b>Professor, Department of Communications</b>
Main activities and responsibilities	Teaching in higher education, training, research, project management Interest areas: multimedia, audio-video signal processing, electronic equipment testing, e-learning, big data and open data, Smart city, mobile applications Responsible for distance education European projects coordination
Name and address of employer	"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Type of business or sector	Higher education
Dates	<b>2005 - 2011</b>
Occupation or position held	<b>ARACIS evaluator</b>
Main activities and responsibilities	Evaluation of higher education degree programs in Electronics
Name and address of employer	ARACIS – Romanian Agency for Quality Assurance in Higher Education
Type of business or sector	Higher education quality assurance
Dates	<b>1999 – 2002</b>
Occupation or position held	<b>Assistant professor, Department of Communications</b>
Main activities and responsibilities	Teaching in higher education, training, research, project management, responsible for distance education, European projects coordination
Name and address of employer	"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Type of business or sector	Higher education
Dates	<b>1990 – 1999</b>
Occupation or position held	<b>Lecturer, Department of Communications</b>
Main activities and responsibilities	Teaching in higher education, training, research, project management
Name and address of employer	"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Type of business or sector	Higher education
Dates	<b>1987 – 1990</b>
Occupation or position held	<b>Assistant</b>
Main activities and responsibilities	Teaching, training, areas: television, electronic devices and circuits, analogue electronics
Name and address of employer	Politechnical Institute "Traian Vuia" of Timisoara, Faculty of Electrical Engineering Bul. Vasile Parvan, nr. 2, 300223 Timisoara, Romania
Type of business or sector	Higher education
Dates	<b>1986 – 1987</b>
Occupation or position held	<b>Researcher</b>
Main activities and responsibilities	Research and design, project management, in the field of automation, system testing and fault tolerant computing

Name and address of employer	National Institute of Scientific Research in Automation, Bucharest, Timisoara Subsidiary Bul. Republicii, nr. 9, Timisoara
Type of business or sector	Research & development
Dates	<b>1984 – 1986</b>
Occupation or position held	<b>Researcher</b>
Main activities and responsibilities	Research and design, technological development in the field of optical tracking automated cutting machines, oxyacetylene, plasma and gas
Name and address of employer	Welding and Material Testing Research Institute Timisoara Bul. Mihai Viteazu, nr. 12, Timisoara
Type of business or sector	Research & development
Dates	<b>1982 – 1984</b>
Occupation or position held	<b>Engineer</b>
Main activities and responsibilities	Electrical installations and radio-communication equipment design
Name and address of employer	Navy Enterprise Drobeta Turnu-Severin, Romania
Type of business or sector	Navy building industry
<b>Education</b>	
Dates	1991 – 1998
Title of qualification awarded	<b>PhD in the field of Electronics and Telecommunications</b>
Principal subjects/occupational skills covered	<b>Research in the field of digital image compression</b> <b>Thesis: Study of the Compression Methods Used in Digital Image Processing and Transmission</b>
Name and type of organisation providing education and training	“Politehnica” University of Timisoara, Romania, with research stages at the University of Central Lancashire, UK Higher education institute
Level in national or international classification	<b>PhD degree</b>
Dates	1977 – 1982
Title of qualification awarded	<b>Engineering Diploma, Honors Award (general and graduation grades:10)</b>
Principal subjects/occupational skills covered	Electronics and Telecommunications
Name and type of organisation providing education and training	Polytechnical Institute “Traian Vuia” from Timisoara University, Higher education
Level in national or international classification	<b>Bachelor + Master degree</b>
<b>Training</b>	
Dates	<b>1998 – 1999</b>
Training program	<b>Online course LOLA (Learning about Open Learning), postuniversity course</b>
Name and type of organisation providing training	“Herriot-Watt” University, Edinburgh, Scotland, UK
Dates	<b>March – June 2010</b>
Training program	<b>Quality Assurance for Distance Education</b>
Name and type of organisation providing training	ARACIS – Romanian Agency for Quality Assurance in Higher Education
Dates	<b>February – November 2010</b>
Training program	<b>University management – modules: “Research Management” and “Management of Tertiary Activities”</b>

Name and type of organisation providing training UEFISCDI – Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii

**Membership to national / international professional associations**

Member of:

- IEEE Communications Society si IEEE Computer Society
- European Distance and E-learning Network (EDEN)
- European Association for Telematics Applications (EATA) – president 2008-2013
- International Association for e-Science – president since 2013
- International Association of Science and Technology Engineers for Development (IASTED)
- European Portal for Advanced Collaboration in E-learning (EuroPACE)
- International Association for the Development of the Information Society (IADIS)
- Association for the Advancement of Computing in Education (AACE)
- Association of Electronic Engineers Timisoara
- European Integration Commission of the Romanian Academy, Timisoara Branch

**Other language(s)**

Self-assessment

European level (\*)

English

French

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	C2		C2		C2		C2
	C2		C2		C1		B2
							B1

(\*) Common European Framework of Reference for Languages

**Professional exchanges**

**Invited professor (for periods from 2 weeks to 6 months):**

- University of Central Lancashire, Preston, UK, 1993, 1997, 1998, 2000, 2001, 2003 (Digital Television, Media Technology)
- Oulu Polytechnic, Finland, 2000, 2003, 2005, 2009, 2011 (Multimedia Authoring for WWW, Mobile Internet Learning Environment)
- University of Nice, France, 2001, 2002, 2006 (Techniques Multimedia)
- Technological Institute of Piraeus, Greece, 2002, 2003 (Telematics Management, Multimedia Signal Processing)
- Universite de La Rochelle, France, 2005, 2007 (Audio-Video Compression, Techniques Multimedia)
- Univesita degli Studi di Palermo, Italy, 2006, 2007, 2008, 2009, 2010, 2015 (Media Studies, Advanced Multimedia ICT Tools for Automatic Translation, Smart Cities and Mobile Communications)
- University of Brighton, UK, 2006, 2007, 2008, 2009, 2011, 2012 (Media Technology, Interactive Technologies)
- University of Applied Sciences St. Poelten, Austria, 2008, 2012, 2013 (Digital Television, Digital Media Technologies)
- Aristotle University Salonic, Greece, 2008 (Digital Television)
- University of Applied Sciences Vienna, Austria, 2009 (Research Methodologies)
- University of Applied Sciences Salzburg, Austria, 2010, 2011 (Research Methodologies)
- Bonch-Bruevich St-Petersburg State University of Telecommunications, Russia, 2013 (Green IT)

**Editorial Activity**

**Member of international journals boards**

- Executive Peer-Reviewer for *Journal of Educational Technology & Society*, ISSN 1176-3647, e-ISSN 1436-4522, jurnal ISI (2007 – present)
- Editorial Board Member for *International Journal of Cyber Ethics in Education (IJCEE)*, ISSN 2155-6903, e-ISSN 2155-6911 (2009 – present)
- Technical Program Committee Member for *International Journal of Computing and Digital Systems*, ISSN 2210-142X, in 2015
- Guest Editor newsletter *IEEE Learning Technology*, January 2007
- Member of the Editorial Board of the *Scientific Bulletin of UPT, Transactions on Electronics and Communications*, ISSN 1583-3380, (2007 – present)
- Member of the Editorial Board of *Acta Technica Napocensis, Transactions on Electronics and Telecommunications*, ISSN 1221-6542, (2005 – present)
- Reviewer for CRC Press, for the book *Advanced Topics in Wireless Multimedia Communication*, authors K. R. Rao, Z. Bojkovic, B. M. Bakmaz, in 2012

## Editorial Activity **Editor of International Conference Proceedings**

- Kinshuk, Sampson, Spector, Isaias, Ifenthaler, Radu Vasii (Editors): *Proceedings of the IADIS International Conference CELDA 2010 Cognition and Exploratory Learning in the Digital Age*, IADIS Press, 2010, 316 pages, ISBN 978-972-8939-28-1
- Weghorn, Isaias, Radu Vasii (Editors): *Proceedings of the IADIS International Conference on Applied Computing 2010*, IADIS Press, 2010, 296 pages, ISBN 978-972-8939-30-4

## **Member of the technical program or reviewer boards for international conferences**

- Reviewer Board Member for *2nd International Conference on Communication and Computer Engineering - ICOCOE 2015*, Phuket, Thailand, June 2015
- Reviewer Board Member for *International Conference on Business, Management, Tourism and Hospitality - BIZMATOUR 2015*, Melaka, Malaysia, May 2015
- Reviewer Board Member for *3rd IEEE International Black Sea Conference on Communications and Networking - IEEE BlackSeaCom 2015*, Constanta, May 2015
- Reviewer Board Member for *IEEE International Conference on Teaching, Assessment and Learning for Engineering TALE 2014*, Wellington, New Zealand, Dec. 2014
- Reviewer Board Member for *Advancement in Information Technology International Conference ADVKIT 2014*, Bandung, Indonesia, Dec. 2014
- Reviewer Board Member for *IEEE International Conference on Computer, Communication and Control Technology - I4CT*, Malaysia, (2014 – present)
- Reviewer Board Member for *IEEE International Symposium on Research of Arts, Design and Humanities - ISRADH 2014*, Kota Kinabalu, Malaysia, Sept. 2014
- Reviewer Board Member for *International Conference on Intelligent Autonomous Agents, Networks and Systems - INAGENTSYS 2014*, Bandung, Indonesia, Sept. 2014
- Review Board Member for *2014 International Workshop on Mobile Applications*, Barcelona, Spain, Aug. 2014
- Reviewer Board Member for *International Conference on Technology, Informatics, Management, Engineering & Environment TIME-E*, Indonesia, (2014 – present)
- Reviewer Board Member for *International Conference on Information and Communication Technology - ICoICT*, Indonesia-Malaysia, (2014 – present)
- Reviewer Board Member for *International Colloquium of Art and Design Education Research i-CADER*, Indonesia-Malaysia, (2014 – present)
- Reviewer Board Member for *1st International Conference on Electronic Publishing and Information Technology - ICEPIT 2014*, Bahrain, Mart. 2014
- Reviewer Board Member for *International Symposium on Signal Processing and Intelligent Recognition Systems - SIRS 2014*, Thiruvananthapuram, India, Mart. 2014
- Reviewer Board Member for *IEEE Global Engineering Education Conference - EDUCON* (2013 – present)
- Reviewer Board Member for *International Conference on Computers in Education – ICCE* (2013 – present)
- Editorial Reviewer Board for *IEEE Colloquium on Humanities, Science and Engineering - CHUSER*, Kota Kinabalu, Sabah, Malaysia, (2012 – present)
- Reviewer Board Member for *2012 IEEE International Conference on Power and Energy - PECON 2012*, Kota Kinabalu, Malaysia, Dec. 2012
- Reviewer Board Member for *IEEE Symposium on Business, Engineering and Industrial Applications ISBEIA 2012*, Bandung, Indonesia, Sept. 2012
- Reviewer Board Member for *2012 IEEE Symposium on Industrial Electronics & Applications ISIEA 2012*, Bandung, Indonesia, Sept. 2012
- Reviewer Board Member for *IEEE International Conference on Teaching, Assessment and Learning for Engineering TALE 2012*, Hong Kong, Aug. 2012
- Reviewer Board Member for *International Conference on Education, Training and Informatics (ICETI)*, Orlando, Florida, SUA, (2010 – present)
- Reviewer Board Member for *International Conference on Education and Information Systems, Technologies and Applications (EISTA)*, Orlando, Florida, SUA, (2010 – present)
- Reviewer Board Member for *International Symposium on Science 2 and Expansion of Science (S2ES)*, Orlando, Florida, SUA, (2010 – present)
- Reviewer Board Member for *World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI)*, Orlando, Florida, SUA, (2009 – present)
- Review Board Member for *International Conference on Information and Software Technologies*, Kaunas, Lithuania (2004 – present)

<p><b>Editorial Activity</b></p>	<p><b>Chairman, Co-Chair, member Program Committee for international conferences or symposiums</b></p> <ul style="list-style-type: none"> <li>➤ Co-Chair for <i>NETTIES 2015 (Networking Entities): Open Data and Big Data – The Impact on Digital Society and Smart Cities</i>, organized by IAFeS – International Association for e-Science, Tenerife, Spain, 5-8 March 2015</li> <li>➤ Co-organizer of the Summer University St. Petersburg 2013, Bonch-Bruевич Saint-Petersburg State University of Telecommunications, 30 June - 12 July 2013</li> <li>➤ Program Committee Member for the <i>Conference on Technology for Education (T4E)</i>, India (2012-present)</li> <li>➤ Program Committee Member for the <i>11<sup>th</sup> International Conference on Web-based Learning ICWL2012</i>, Sinaia, Sept. 2012</li> <li>➤ Program Committee Member for the <i>13<sup>th</sup> IEEE International Conference on Computational Science and Engineering (CSE 2010)</i>, 11-13 Dec. 2010, Hong-Kong SAR, China</li> <li>➤ Program Committee Member for the <i>International Conference “E-Education: Science, Study and Business”</i>, 24-25 Nov. 2010, Vilnius, Lithuania</li> <li>➤ Program Committee Member for the <i>International Conference on Information and Software Technologies</i>, Kaunas, Lithuania (2008 – present)</li> <li>➤ Co-organizer of the Summer Courses <i>Computer Aided Translation – Localization, Internationalisation and Globalization</i>, Palermo, Sept 2008, 2009, 2010 and 2011, in cooperation with Università degli Studi di Palermo</li> <li>➤ Program Committee Member and Organizing Committee Member for <i>IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA)</i>, (2005 – present)</li> <li>➤ Co-chair for the <i>International Conference on Applied Computing 2010</i>, Timisoara, 14-16 October 2010, organized in cooperation with IADIS – International Association for the Development of Information Society</li> <li>➤ Co-Chair for <i>SynEnergy Forum (S.E.F.)</i>, the Conference for International Synergy in Energy, Environment, Tourism and Information Technology, Spetses, Greece, 28-31 May 2008;</li> <li>➤ Co-Chair for <i>NETTIES 2006 (Networking Entities): The Future of E: Advanced Educational Technologies for a Future e-Europe</i>, 12<sup>th</sup> EATA – European Association for Telematics Applications International Conference, 6-9 Sept. 2006, Timisoara, Romania</li> <li>➤ Chair for <i>Lifelong Learning and Distance Education in the Information Society</i>, intensive course, 7-12 August 2000, Newton Rigg Campus, UK;</li> <li>➤ Chair for <i>New Approaches to Education &amp; Training for Industry</i>, international conference, 13-15 Sept. 1999, Timisoara, Romania;</li> <li>➤ Chair for <i>Telematics Applications within Distance Education</i>, intensive course, 24-29 May 1999, Athens – Halkis, Euboea, Greece;</li> <li>➤ Chair for <i>Information Society and the Media</i>, international conference, 10-15 Nov. 1997, Timisoara</li> </ul>
<p><b>Editorial Activity</b></p>	<p><b>Publications</b></p> <ul style="list-style-type: none"> <li>- Author/coauthor of 14 books published by national publishing houses, editor of 2 conference proceedings volumes published by international publishing houses and 1 by a national publishing house, 15 book chapters published by international publishing houses and 3 by national publishing houses, 5 student books, over 130 research papers published in different international journals and conference proceedings.</li> <li>- The list of the more recent ones is presented in <b>Annex 1</b>.</li> </ul>
<p><b>Research activity</b></p>	<p><b>Research-development-innovation contracts</b></p> <ul style="list-style-type: none"> <li>➤ Director / coordinator for Romania in 20 international projects, financed by the European Commission, in value of over 2,160,000 Euro and member of the implementation team for other 10 projects.</li> <li>➤ Director of 3 national research-development projects and member of the implementation team for other 4 projects.</li> <li>➤ Coordinator of 3 projects financed from European Structural Funds and member of the implementation team of other 5 projects.</li> </ul> <p>The list of the most important ones is presented in <b>Annex 2</b>.</p> <p><b>PhD Research</b></p> <ul style="list-style-type: none"> <li>➤ Coordonator a 10 doctoranzi in stagi</li> <li>➤ 10 doctoranzi cu teza finalizata si sustinuta</li> </ul> <p>Participant in 34 comisii de doctorat</p>
<p><b>Annexes</b></p>	<p><b>Annex 1: Publication list</b></p> <p><b>Annex 2. Research projects</b></p>

Timisoara, January 2016

## ANNEX 1 – PUBLICATION LIST

Prof.dr.ing. RADU ADRIAN VASIU

Author/coauthor of 14 books published by national publishing houses, editor of 2 conference proceedings volumes published by international publishing houses and 1 by a national publishing house, 15 book chapters published by international publishing houses and 3 by national publishing houses, 5 student books, over 130 research papers published in different international journals and conference proceedings. The most recent ones are as follows:

- Mihai Onita, Sorin Petan, Radu VasIU, *Review of Interactive Video - Romanian Project Proposal*, International Education Studies (IES) Journal, ISSN 1913-9020, e-ISSN 1913-9039, vol. 9, no. 3, march 2016, 16 pages (acceptata spre publicare)
- Diana Andone, Radu VasIU, *MOOCs in Higher Education - Flipped Classroom or A New Smart Learning Model?*, pp. 303-307, chapter in "State-of-the-Art and Future Directions of Smart Learning" (eds. Yanyan Li, Maiga Chang, Milos Kravcik, Elvira Popescu, Ronghuai Huang, Kinshuk, Nian-Shing Chen), series Lecture Notes in Educational Technology, series ISSN 2196-4963, doi: 10.1007/978-981-287-868-7\_37, ISBN 978-981-287-866-3, e-ISBN 978-981-287-868-7, Springer Singapore, 2016, 503 pag.
- Radu VasIU, *Development of Smart City Applications Based on Open Data*, pp. 45-66, chapter in "Open Data and Big Data - The Impact on Digital Society and Smart Cities", IAFES Publications, Vienna, 2015, ISBN 978-3-9503983-1-1, 317 pag.
- Andrei Ternauciuc, Radu VasIU, *Integrated Usability Testing*, TEM Journal of Technology, Education, Management, Informatics, ISSN 2217-8309, e-ISSN 2217-8333, Vol. 4, No. 4, November 2015, pp. 388-395
- Renate Simion, Radu VasIU, Diana Andone, *The Impact of Image Based Web Technologies in Educational Communication*, 10th International Conference on Virtual Learning, ICVL 2015, 31 October 2015, Timisoara, Romania, ISSN 1844-8933, pp. 308-314
- Vlad Mihaescu, Radu VasIU, *Teachers' Perspective into Higher Education and MOOCs in Romania*, 10th International Conference on Virtual Learning, ICVL 2015, 31 October 2015, Timisoara, Romania, ISSN 1844-8933, pp. 393-398
- Diana Andone, Vlad Mihaescu, Radu VasIU, *Using MOOCs within Traditional Courses: Students' Perspective*, Proceedings of E-Learn 2015: World Conference on E-Learning in Corporate, Government, Healthcare and Higher Education 2015, Kona, Hawaii, 19-22 October 2015, ISBN 978-1-939797-20-9, pp. 256-262
- Diana Andone, Radu VasIU, *MOOCs in Higher Education - Flipped Classroom or a New Smart Learning Model?*, 2nd International Conference on Smart Learning Environments ICSLE 2015, September 23-25, 2015, Sinaia, Romania, pp. 303-307
- Andrei Ternauciuc, Radu VasIU, *Testing usability in Moodle: When and How to do It*, 13th IEEE International Symposium on Intelligent Systems and Informatics - SISY 2015, 17-19 Sept 2015, Subotica, Serbia, ISBN 978-1-4673-9387-4, pp. 263-268
- Andrei Rusan, Radu VasIU, *Emulation of Backhaul Packet Loss on the LTE S1-U Interface and Impact on End User Throughput*, 11th International Conference on Intelligent Computer Communication and Processing - ICCP 2015, Cluj-Napoca, 3-5 September 2015, ISBN 978-1-4673-8200-7, pp. 529-536
- Mihai Onita, Sorin Petan, Radu VasIU, *Review of Interactive Video - Romanian Project Proposal*, International Education Studies (IES) Journal, ISSN 1913-9020, e-ISSN 1913-9039, vol. 9, no. 3, march 2016, 16 pages
- Oana Munteanu, Thierry Bouwmans, El-Hadi Zahzah, Radu VasIU, *The detection of moving objects in video by background subtraction using Dempster-Shafer theory*, Scientific Bulletin of the Politehnica University of Timisoara, Transactions on Electronics and Communications, Vol. 60(74), no. 1, 2015, pp. 45-52, ISSN 1583-3380
- Dragulescu Bogdan, Bucos Marian, VasIU Radu, *CVLA: Integrating Multiple Analytics Techniques in a Custom Moodle Report*, 21st International Conference on Information and Software Technologies ICIST 2015, 15-16 October 2015,

- Druskininkai, Lithuania, Vol. 538, ISSN 1865-0929, ISBN 978-3-319-24769-4, pp. 115-126, doi: 10.1007/978-3-319-24770-0\_11, CCIS Springer International Publishing Switzerland 2015
- Onita Mihai, Ciuclea Camelia, VasIU Radu, *The Value of Video Lectures in the Classroom - UPT Study Case*, 21st International Conference on Information and Software Technologies ICIST 2015, 15-16 October 2015, Druskininkai, Lithuania, vol. 538, ISSN 1865-0929, ISBN 978-3-319-24769-4, pp. 127-137, doi: 10.1007/978-3-319-24770-0\_12, CCIS Springer International Publishing Switzerland 2015
  - Ostreika Armantas, VasIU Radu, Gudoniene Daina, Maskeliunas Rytis, Rutkauskiene Danguole, *An Ontology Oriented Approach for E-Learning Objects Design and Improvement*, 21st International Conference on Information and Software Technologies ICIST 2015, 15-16 October 2015, Druskininkai, Lithuania, ISSN 1865-0929, ISBN 978-3-319-24769-4, pp. 138-150, doi: 10.1007/978-3-319-24770-0\_13, CCIS Springer International Publishing Switzerland 2015
  - Andrei Rusan, Radu VasIU, *Assessment of Packet Latency on the 4G LTE S1-U Interface: Impact on End-User Throughput*, 23rd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2015, 16-18 September 2015, Split, Croatia, pp. 305-309
  - Bogdan Dragulescu, Marian Bucos, Radu VasIU, *Social Network Analysis on Educational Data Set in RDF Format*, Journal of Computing and Information Technology - CIT, ISSN 1330-1136, e-ISSN 1846-3908, Vol. 23, No. 3, 2015, pp. 269-281, doi: 10.2498/cit.1002645
  - Bogdan Dragulescu, Marian Bucos, Radu VasIU, *Predicting Assignment Submissions in a Multi-class Classification Problem*, TEM Journal of Technology, Education, Management, Informatics, ISSN 2217-8309, e-ISSN 2217-8333, Vol. 4, No. 3, August 2015, pp. 244-254
  - Diana Andone, Vlad Mihăescu, Andrei Ternauciuc, Radu VasIU, *Integrating MOOCs in Traditional Higher Education*, European Stakeholder Summit on experiences and best practices in and around MOOCs, eMOOCs 2015, 18-20 May 2015, Mons, Belgium, Experience Track, pp. 71-75
  - Andrei Rusan, Radu VasIU, *IP Impairment Testing for LTE Networks*, 2015 International Conference on Electronics and Communication Systems (ECS 2015), Barcelona, Spain, 7-9 April 2015, published in Recent Advances in Electrical Engineering Series, vol. 46 "Recent Advances on Electrosience and Computers", Edts. Nikos E. Mastorakis, Imre Rudas, Marina V. Shitikova, Yuriy S. Shmaliy, pp. 99-105, ISSN 1790-5117, ISBN 978-1-61804-290-3
  - Andrei Rusan, Radu VasIU, *Alternative approach to enable RTSP-based services with dynamic Quality of Service over 4G LTE mobile networks*, 2015 International Conference on Circuits, Systems, Signal Processing, Communications and Computers (CSSCC 2015), Vienna, Austria, 15-17 March 2015, organised by INASE (Institute for Natural Sciences and Engineering), 5 pag
  - Silviu Vert, Radu VasIU, *Integrating linked open data in mobile augmented reality applications – a case study*, TEM Journal of Technology, Education, Management, Informatics, ISSN 2217-8309, e-ISSN 2217-8333, Vol. 4, No. 1, Febr. 2015, pp. 35-43, WOS:000362664800004
  - Mihai Onita, Vlad Mihaescu, Radu VasIU, *Technical Analysis of MOOCs*, TEM Journal of Technology, Education, Management, Informatics, ISSN 2217-8309, e-ISSN 2217-8333, Vol. 4, No. 1, Febr. 2015, pp. 60-72, WOS:000362664800007
  - Radu VasIU, Diana Andone, Mugur Mocofan, Carmen Holotescu, *Using web 2.0 for higher education teacher training in Romania*, International Conference SMART 2014 "Social Media in Academia: Research and Teaching", 19-20 September 2014, Timisoara, ISBN 978-88-7587-712-5, Medimond Publ. Bologna, Italy
  - Radu VasIU, Diana Andone, *OERs and MOOCs – the Romanian Experience*, International Conference on Web and Open Access to Learning, ICWOAL '2014, 25-27 November 2014, Dubai, United Arab Emirates, ISBN 978-1-4799-5739-2, IEEE Catalog Number CFP1407Z-ART, 5 pages
  - Vlad Mihăescu, Radu VasIU, *Use of Web 2.0 and Web 3.0 in Developing a MOOC Platform*, 7th International Conference of Education, Research and Innovation, ICERI2014, 17-19 Nov 2014, Seville, Spain, ISSN 2340-1095, ISBN 978-84-617-2484-0



- Vlad Mihaescu, Radu VasIU, Diana Andone, *Developing a MOOC: The Romanian Experience*, 13<sup>th</sup> European Conference on e-Learning ECEL-2014, Aalborg University Copenhagen Denmark, 30-31 October 2014, ISBN 978-1-910309-69-8, ISSN 2048-8645, pp. 339-346, WOS:000351434400043
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## ANNEX 2 – RESEARCH CONTRACTS

Prof.dr.ing. RADU ADRIAN VASIU

### International projects

Period	Title of the project	Financed by	Value	Position
2014-2016	ERASMUS+ Project “ <i>m-commerce</i> ”, Nr: 2014-1-AT-01-KA202-000966	European Commission	21.151 €	Coordinator for Romania
2011-2013	Lifelong Learning Programme “ <i>The Age-Friendly City – TAFCity</i> ”, no. 2011-1-ES1-LEO05-35886	European Commission	46.319 €	Member
2011-2012	Lifelong Learning Programme “ <i>International Internship AGORA – I2AGORA</i> ”, no. 511784-LLP-1-2010-1-HU-KA4-KA4MP	European Commission	59.201 €	Member
2011-2012	HU-RO Cross-Border Co-operation Programme “ <i>Studies for assistance to commercialize innovative research results of PROs in Timis and Csongrad counties serving as pilot for future projects - COMINPRO</i> ”, HURO/1001/043/2.2.4	Phare CBC HU-RO	49.135 €	Director
2010-2012	Lifelong Learning Programme “ <i>Cross Border Virtual Incubator – CBVI</i> ”, no. 510216-LLP-1-2010-NL-ERASMUS-ECUE	European Commission	25.340 €	Member
2010-2012	Lifelong Learning Programme “ <i>Sustainable Know-How in Intercultural Learning in Student Placements and the Knowledge Transfer to Enterprises – SKILL2E</i> ”, no. 510416-LLP-1-2010-1-AT-ERASMUS-ECUE	European Commission	34.194 €	Member
2008-2010	Lifelong Learning Programme „ <i>ESIL – European Sustainable Innovation License for SMEs</i> ”, no. LLP/LdV/TOI/2008/AT/23	European Commission	11.157 €	Coordinator for Romania
2008-2010	FP7 project – Regions of Knowledge „ <i>WeSteer – Support Actions for the Emergence of a Research-Driven Automotive Cluster in West Romania</i> ”, through the Tehimpuls Association, where UPT is founder	European Commission		Member
2008-2009	HU-RO transborder cooperation project „ <i>BROKINNOVOUCHER – Sprijin pentru cooperarea și inovarea întreprinderilor mici și mijlocii din zona România-Ungaria</i> ”, through the TehImpuls Association, where UPT is founder	Phare CBC HU-RO	161.144 €	Member

2008-2009	Transborder cooperation project Romania - Serbia „ <i>Promovarea creșterii economice în zona de graniță dintre România și Serbia prin consolidarea și extinderea într-o direcție transfrontalieră a structurilor de tip cluster pentru industria construcțiilor de mașini și, în mod special, pentru subsectorul automotive</i> ”, through the Automotivest Cluster, where UPT is founder, Nr. contract: RO 2006/018-448	Phare CBC Romania - Serbia		Member
2007-2009	Lifelong Learning Programme „ <i>Creative Trainer</i> ”, no. LLP/LdV/TOI/2007/AT/19	European Commission	20.081 €	Coordinator for Romania
2007-2009	Lifelong Learning Programme „ <i>VICADIS – Virtual Campus for Digital Students</i> ”, no. 134039-LLP-1-2007-1-RO-ERASMUS-EVC	European Commission	365.747 €	Coordinator
2005–2007	Leonardo Reference Materials programme “ <i>e-Report</i> ”, No. 2005-2025/001-001 LE2-51OREF	European Commission	75.000 €	Coordinator for Romania
2005-2006	Leonardo <b>mobilities program “<i>Formation professionnelle dans le domaine de la gestion du transfert de technologie – TehnoTrans</i>”, no. RO/2005/95052/EX</b> , proiect coordonat de APART	European Commission		Member
2004–2006	Socrates Erasmus Curriculum Development programme “ <i>IMM – International Online Master in Multimedia</i> ”, No. 49104-IC-1-2003-1-RO-ERASMUS-PROGUC	European Commission	108.538 €	Coordinator
2004–2006	Socrates Minerva programme “ <i>e-Taster – short, free on-line courses – “tasters” - for multilingual, international delivery</i> ”, No. 116684-CP-1-2004-1-HU-MINERVA-M	European Commission	61.314 €	Member
2004–2006	Leonardo programme <i>E2ngineering</i> , No. L-B-PP-170029 / 2004	European Commission	23.153 €	Coordinator for Romania
2004–2006	Leonardo programme “ <i>METOIM – Measure to Improve</i> ”, No. 2004 - I/04/B/F/PP-154047	European Commission	51.476 €	Coordinator for Romania
2003–2005	Leonardo programme „ <i>REMOTE - Retail Education Mechanism for On-line Training in Europe</i> ”, No. UK/03/B/F/PP-162_010	European Commission	34.352 €	Coordinator for Romania
2001–2003	Socrates Minerva programme “ <i>MISSION - Multi-Country Integrated System Support for Improved ODL Networking</i> ”, No. 90389-CP-1-2001-1-HU-MINERVA-M	European Commission	21.000 €	Coordinator for Romania
2001–2003	Leonardo programme „ <i>EKC – European Key Competences</i> ”, No. NL-00-B-F-PP-123054	European Commission	18.300 €	Coordinator for Romania
2000	Leonardo Mobility programme SANGRIA	European Commission	6.000 €	Coordinator for Romania
1999–2000	Leonardo programme “ <i>Multiply CADUBALM - Computer-Assisted Development of Teaching Units Based on Authentic Language Material</i> ”, No. MC-TZM-UT	European Commission	8.400 €	Coordinator for Romania
1999–2001	Leonardo programme „ <i>TIMKARS</i> ” No.RO/99/2/011079 /PI/II.1.1.c/FPC	European Commission	225.036 €	Financial coordinator

1999–2000	Socrates programme „EAC – Europe as a Challenge”, No. 70952-CP-1-1999-1-NL-ADULT EDUC-ADU	European Commission	8.342 €	Coordinator for Romania
1998–1999	Phare Multi-Country programme for Distance Education, No. ETF/0062/NCP-06-TM/1997	European Commission	80.000 €	Assistant coordinator
1997–2001	Tempus programme „TEMIS – Telematics and Multimedia within the Information Society”, S-JEP 12086/97	European Training Foundation	480.000 €	Coordinator
1995–1998	Tempus programme “DRUM – Development of Romanian Universities Multimedia”, S-JEP 09838/95	European Training Foundation	460.000 €	Assistant coordinator for Romania
1992–1995	Tempus programme “DÉCOR – Development of Colleges in Romania”, S-JEP 06484/92	European Training Foundation	510.000 €	Member

#### National Research – Development projects

Period	Title of the project	Financed by	Value	Position
2009-2010	Research on Emotional Facial Expression recognition in Complicated Environment, Program: PN II, CAPACITATI, Modul III, proiecte de cercetare bilaterale, România-China, 39-5 din 2008, Nr. Contract: 222/15.04.2009	ANCS	15.000 RON	Member
2007-2010	Cresterea eficientei proceselor suport pentru transferul international de know-how managerial din domeniul cercetarii aplicative si inovarii (WINMAN), proiect PN-II, no. 91051 / 14.09.2007	ANCS	190.000 RON	Director
2007-2010	Achizitie de semnale biomedicale si tele-transmisie prin echipamente mobile de calcul (BIOMED-TEL), proiect PN-II, no. D1-1-057 / 21.09.2007	ANCS	360.000 RON	Director
2006-2008	Control si monitorizare la distanta a cladirilor inteligente (COMODICI), proiect CEEEX, no. 60 CEEEX II 03 / 28.07.2006	MEdC	255.000 RON	Director
2005-2008	Dezvoltarea conceptului de responsabilitate sociala in intreprinderi romanesti, in context European (RSE&UE), proiect CEEEX, no. 05-D8-5 / 10.10.2005	MEdC	340.000 RON	Member
2005-2008	Scenarii de previzionare a sectoarelor si ramurilor din economia romaneasca cu potential inovativ, in perspectiva 2020 (INOVFOR), proiect CEEEX, no. 05-D8-77 / 19.10.2005	MEdC	400.000 RON	Member
2001-2003	Crearea si dezvoltarea unui Centru pentru Tehnologia Informatiei si a Comunicarii, proiect INFOSOC no. 45/ 7.11.2001	MEdC	288.000 RON	Member

**Projects financed from European Social Fund**

Period	Title of the project	Financed by	Value	Position
2014-2015	Cresterea atractivitatii si performantei programelor de formare doctorala si postdoctorala pentru cercetatori in stiinte ingineresti - ATTRACTING, proiect POSDRU, no. POSDRU/159/1.5/S/137070	Fonduri structurale	7.796.762 RON	Member
2010-2013	Intreprindere simulata pentru tehnici de lucru in companiile tehnologice, proiect POSDRU, no. POSDRU/90/2.1/S/56319	Fonduri structurale	1.347.938 RON	Member
2010-2013	Scoala universitara de formare initiala si continua a personalului didactic si a trainerilor din domeniul specializarilor tehnice si ingineresti”, DidaTec, proiect POSDRU, no. POSDRU/86/1.3/S/60891	Fonduri structurale	2.506.564 RON	Local coordinator
2010-2013	Program multi-regional de studii masterale in domeniul eActivitati” – eSTART, proiect POSDRU, no. POSDRU/86/1.2/S/54956	Fonduri structurale	2.081.662 RON	Local coordinator
2010-2013	Dezvoltarea si sustinerea de programe postdoctorale multidisciplinare in domenii tehnice prioritare ale strategiei nationale de cercetare - dezvoltare - inovare 4D-POSTDOC, proiect POSDRU, no. POSDRU/89/1.5/S/52603	Fonduri structurale	3.856.711 RON	Local coordinator
2009-2011	Imbunatatirea Managementului Universitar, proiect strategic pentru Invatamantul Superior, no. POSDRU/2.1/S/4/2679 (Infiintare Centrul de Competenta in Imbunatatirea Managementului Universitar Timisoara), coordonat de UEFISCSU	Fonduri Structurale		Member
2009-2011	Dezvoltarea unui sistem operational al calificarilor din invatamantul superior din Romania - RNCIS, proiect strategic pentru Invatamantul Superior, no. POSDRU/2/1.2/S/2, coordonat de ACPART	Fonduri Structurale		Member
2008-2011	Registrul Matricol Unic, proiect strategic pentru Invatamantul Superior, no. POSDRU/2/1.2/S/5/4436, coordonat de UEFISCSU, coordonat de UEFISCSU	Fonduri Structurale		Member

**Results in engineering research & design & development**

- 2015: *Smart City Learning Observatory*, analiza mediului de educatie oferit in campus de un oras care vizeaza titlatura de Smart City, studiu de caz Timisoara
- 2014: *Open Data Landscape – dezvoltarea de aplicatii care utilizeaza datele deschise pentru implementarea conceptului de Oras Inteligent (Smart City)*, parte a European Innovation Partnership on Smart Cities and Communities Initiative, coordonare initiativa
- 2014: *Program de pregatire prin intermediul retelelor sociale pentru promovarea “The Age Friendly City – TafCity”*, curs online asupra serviciilor care trebuie sa raspunda diverselor nevoi ale persoanelor in varsta si care sa asigure integrarea acestora in societate
- 2013: *Dezvoltarea unui program de formare initiala si continua a personalului didactic si a trainerilor din domeniul specializarilor tehnice si ingineresti – DidaTec*, in parteneriat cu Universitatea Tehnica din Cluj-Napoca si Universitatea Transilvania din Brasov

- 2013: *Dezvoltarea unui program multi-regional de studii masterale in domeniul eActivitati – eSTART*, in parteneriat cu Universitatea Tehnica din Cluj-Napoca, Universitatea Transilvania din Brasov si Universitatea Babes-Bolyai din Cluj-Napoca
- 2012: *Realizarea unei analize SWOT asupra abordarilor de pre-incubare si elaborarea unei metodologii de apropiere intre firmele start-up si beneficiari prin tehnologii flexibile, virtuale CBVI – Cross Border Virtual Incubators*, beneficiar European Association of Distance Teaching Universities, Olanda
- 2012: *Dezvoltarea unui model de validare a competentelor obtinute in urma unor stagii de practica / lucru in intreprinderi internationale si implementarea unui prototip*, EKC beneficiar Universitatea de Stiinte Aplicate din Salzburg, Austria
- 2010: *Dezvoltarea “ViCaDiS Multilingual web portal and Multilingual Set of Guidelines - on paper, CD and online”*
- 2010: *Dezvoltarea si testarea unui sistem de achizitie a semnalelor biomedicale si teletransmisia acestora prin echipamente mobile de calcul (BIOMED-TEL)*, in parteneriat cu Universitatea Transilvania din Brasov si Universitatea Tehnica din Cluj-Napoca
- 2009: *Dezvoltarea unui curs European online de training in domeniul inovarii si sustenabilitatii „ESIL – European Sustainable Innovation Licence”*, beneficiar Cleaner Production Centre Graz, Austria
- 2009: *Dezvoltarea unui curs (Creative Trainer) European online de training in domeniul „idea machine”, o unealta care permite selectarea si imbunatatirea ideilor inovative*, beneficiar Universitatea din Graz, Austria
- 2008: *Aplicatie software pentru monitorizarea si controlul cladirilor inteligente (sistemul COMODICI)*, beneficiar ANCS
- 2008 – prezent: *Dezvoltarea Campusului Virtual al UPT cv.upt.ro ca VLE (Virtual Learning Environment) si LMS (Learning Management System) bazat pe Moodle*, platforma educationala online a universitatii, coordonare echipa
- 2007-prezent: *Dezvoltarea unei metodologii pentru un mediu deschis personal de invatare ViCaDiS (Virtual Campus for Digital Students)*, a unor scenarii de campus multi-lingvistic, care include mediul online si mobil bazate pe utilizarea de resurse educationale deschise OER (Open Educational Resources), coordonarea proiectului
- 2007: *Studiu de referinta “e-Report” pentru utilizarea educatiei online in IT si inginerie*, beneficiar Universitatea din Palermo
- 2006 - 2010: *Dezvoltarea unei curricula Europene pentru un Master International in Multimedia*, online ([www.immaster.net](http://www.immaster.net)), in colaborare cu 6 universitati partenere din Ungaria, Finlanda, Lituania, Franta si Austria, Dezvoltarea de unelte de comunicare digitala si integrarea lor pe diferite platforme online: forum, blog, wiki, messaging, SMS, coordonarea proiectului
- 2006: *Aplicatie e-learning “e2ngineering” in domeniul CAD si inginerie medicala*, beneficiar Universitatea din Godollo, Ungaria
- 2006: *Aplicatie e-learning “eTaster” in domeniul multimedia*, beneficiar Universitatea din Miskolc, Ungaria
- 2005: *Dezvoltarea METOIM testing box – un set de aplicatii IT pentru testarea competentelor si abilitatilor pe piata muncii*, beneficiar Universitatea din Florenta, Italia
- 2004-2010: *Dezvoltarea de cursuri educationale online, utilizand platformele COEDU si Moodle*, realizarea de material educational de tip curs, laborator virtual si testare sub diferite formate electronice, respectiv pentru diferite platforme (podcasting)
- 2004: *Website Centrul pentru Invatamant la Distanta UPT*,
- 2004: *The REMOTE CD multimedia application “Removing Barriers”*, aplicatie IT pentru invatarea Macromedia Dreamweaver pentru persoane cu dizabilitati, in 4 limbi, beneficiar firma Ethos din UK
- 2003: *Dezvoltarea unei aplicatii ICT pentru sustinerea activitatilor educationale la distanta*, beneficiar proiectul MISSION coordonat de catre Universitatea din Miskolc, Ungaria
- 2003: *Development of e-books for e-learning*, dezvoltarea de carti electronice educationale, in cadrul programului INFOSOC
- 2002: *Website-ul Fundatiei “Pentru Voi”*, website pentru o fundatie care se ocupa de persoane cu dizabilitati mentale, la <http://www.pentruvoi.ro>
- 2002: *Training testing tools in the area of administration*, uneltele on-line de testare a competentelor obtinute prin educatie informala, beneficiar Dudok College Olanda
- 2001-2008: *Introducerea si dezvoltarea unui CMS (Content Management System) ca suport educational academic pentru studentii de la invatamant la distanta din UPT*
- 2001-2008: *Introducerea si dezvoltarea unui LMS (Learning Management System) ca interfata pentru administrarea studentilor de la invatamant la distanta din UPT*

- 2001: *Introducerea primului VLE (Virtual Learning Environment) din Romania, prin intermediul site-ului Centrului pentru Invatamant la Distanta din UPT*
- 2001: *Jecza, Sculpture 1963-2000*, catalog electronic pe CD-ROM in 3 limbi, despre sculptorul Peter Jecza, cu peste 700 lucrari reprezentate prin imagini, clipuri video, animatii, 400 expozitii prezentate, date personale, critici, etc. Produs si sub forma de website realizat ca baza de date la adresa <http://www.jecza.ro>
- 2001: *Timkars web site*, website educational pentru educatie profesionala in electronica, cu 17 cursuri on-line
- 2001: *Kathrein website*, website-ul oficial al Institutului de Cercetare Kathrein
- 2001: *Mediu website*, website cu link direct catre o baza de date Oracle
- 2001: *OurTimisoara*, website interactiv despre [Timisoara](#), cu database, virtual maps, tours, e-card, etc.
- 2001: *Banat folks tradition*, aplicatie CD-ROM extensive despre Banat ca regiune interculturala cu peste 50 clipuri video si 200 fotografii
- 2001: *Calimero site*, website interactive pentru o firma Romaneasca care vinde on-line, include animatii gif si ASP server-side scripting database, interfata client-server cu facilitati de upgrade de catre client, modificarea automata a preturilor in conformitate cu rata de schimb a BNR, webmail, conference room, interfata cu o baza de date Oracle
- 2001: *Design for Spielgebeeld site*, pentru un proiect al femeilor de afaceri din Olanda
- 2001: *Design and implementation for Davidson*, pentru o agentie de travel din Olanda, ASP database
- 2000: *ACP marketing website*, pentru o companie din UK care organizeaza conferinte si expozitii in Birmingham
- 2000: *Site web UPT*, site al Universitatii Politehnica Timisoara, realizat sub forma de baza de date cu Drumbeat ASP database
- 2000: *Alcor shop site*, site interactiv pentru o firma Romaneasca care vinde on-line diverse produse, include animatie gif 3D, ASP server-side scripting database si actualizarea automata a preturilor in conformitate cu rata de schimb valutar a BNR
- 1999: *Willem Winkeltje site*, site interactiv pentru o firma Olandeza care vinde on-line mobilier, sisteme de iluminat si seminee, include animatie gif 3D si ASP server-side scripting database
- 1999: *Filming and Editing Techniques*, CD-ROM educational cu aplicatii referitoare la tehnicile video utilizate in educatia la distanta
- 1998: *Wine World Site*, site interactive, cu animatii flash si baza de date, beneficiar firma Olandeza
- 1997: *Timisoara on CD-ROM – from History to Entertainment*, prezentare interactiva in 3 limbi, cu peste 300 fotografii si 20 clipuri video, aplicatie comerciala pe CD, beneficiar Centrul Multimedia
- 1996-1997: *Metode de compresie si analiza utilizate in transmiterea informatiilor multimedia prin retele B-ISDN*, studio tehnic, conceptie si implementare algoritmi, beneficiar CNCSU Bucuresti
- 1993-1994: *Metode de compresie si analiza utilizate in prelucrarea si transmisia digitala a imaginilor*, conceptie si implementare algoritmi, beneficiar CNCSU Bucuresti
- 1988-1989: *Stand pentru cercetari optice*, proiectare, realizare model experimental, beneficiar Institutul de Cercetare Stiintifica si Inginerie Tehnologica pentru Automatizari (IPA) Bucuresti
- 1987-1988: *Sistem de prelucrare a imaginilor si interfatarea acestuia la microcalculator*, proiectare, realizare prototip, asistenta tehnica, beneficiar Institutul de Cercetari Veterinare si Biopreparate "Pasteur" Bucuresti
- 1987: *Masina automata de taiere termica cu gaze cu comanda numerica*, studio tehnic, beneficiar Institutul de Cercetare Stiintifica si Inginerie Tehnologica pentru Automatizari (IPA) Bucuresti
- 1986-1987: *Modul MULTIPROM analizor de semnatura MCPB-04*, proiect tehnic, documentatie de executie, model experimental, beneficiar Institutul de Cercetare Stiintifica si Inginerie Tehnologica pentru Automatizari (IPA) Bucuresti
- 1986: *Sisteme multiprocessor pentru instalatii electrice navale anticoliziune de tip ARPA*, studio tehnic, beneficiar Institutul de Cercetare Stiintifica si Inginerie Tehnologica pentru Automatizari (IPA) Bucuresti
- 1986: *Elaborare programe de autotest pentru echipamentul de calcul pe 8/16 biti ECAROM 886*, proiect tehnic, proiect de executie, model experimental, beneficiar Institutul de Cercetare Stiintifica si Inginerie Tehnologica pentru Automatizari (IPA) Bucuresti
- 1985: *Masina automata de taiere termica cu gaz a tablelor laminate tip MATT-GL*, proiect tehnic, proiect de executie, prototip, asistenta tehnica, beneficiar Combinatul Siderurgic Galati
- 1985: *Masina automata de taiere termica cu plasma si gaz cu comanda numerica tip MATT-PG-CN*, proiect tehnic, proiect de executie, prototip, asistenta tehnica, beneficiar IMGB Bucuresti
- 1985: *Masina automata de taiere termica cu plasma cu comanda numerica tip MATT-P-CN*, proiect tehnic, proiect de executie, prototip, asistenta tehnica, beneficiar IMGB Bucuresti

- 1984: *Masina automata de taiere termica cu gaze cu urmarire optica a conturului tip MATTO-G*, proiect de executie, prototip, asistenta tehnica, beneficiar Intreprinderea de Autocamioane Brasov
- 1982-1983: *Echipamente de radiolocatie instalate la bordul navelor fluviale si maritime*, proiect tehnic, asistenta tehnica, beneficiar Intreprinderea de Constructii Navale si Incercari la Cald Drobeta Turnu-Severin si Registrul Naval Roman
- 1982-1983: *Actionarea electrica a motoarelor principale pentru navele fluviale si maritime*, proiect tehnic, asistenta tehnica, beneficiar Intreprinderea de Constructii Navale si Incercari la Cald Drobeta Turnu-Severin si Registrul Naval Roman

#### PhD research supervision

- 10 PhD students enrolled (George Mulec, Andrei Rusan, Ciprian Orhei, Rafael Leucuta, Diana Sophia Codat, Paul Pfaff, Sebastian Avram, Dan Bogos, Sorin Ivascu, Oana Munteanu);
- 10 PhD students have finalized and defended their thesis:
  - Marian Bucos: *Dezvoltarea sistemelor informatice pentru e-learning si realizarea de organizatii educationale virtuale* (2007, co-tutela cu prof. Toma Corneliu);
  - Iasmina Ermalai: *Contributii la utilizarea noilor tehnologii informationale in procesul de eLearning* (2009);
  - Cristian Tecu: *Contributii la utilizarea noilor tehnologii informationale in diaporama digitala* (2010);
  - Mihai Onita: *Contributii la utilizarea tehnologiilor video in invatamantul electronic* (2011, co-tutela cu prof. Toma Corneliu);
  - Andrei Ternauciuc: *Contributii la dezvoltarea uneltelor de comunicare in cadrul platformelor web educationale* (2011);
  - Bogdan Drăgulescu: *Tehnologii Semantic Web în domeniul educațional* (2012);
  - Andrei Marius Gabor: *Baze de date multimedia* (2014)
  - Sorin Alexandru Petan: *Sisteme multimedia interactive adaptive cu aplicatii in e-learning, divertisment si formare profesionala* (2014)
  - Silviu Vert: *Integrating Linked Open Data in Mobile Augmented Reality Applications* (2015)
  - Vlad Mihaescu: *The Development and Implementation of a MOOC Platform Model from a Technical and Educational Perspective* (2015)
- Member in 34 PhD thesis commissions:
  - Mihaela Laura Gordan: *Aplicatii ale tehnicilor fuzzy si masinilor cu vectori suport in prelucrarea imaginilor*, Universitatea Tehnica din Cluj-Napoca, Iulie 2004
  - Rodica Medan: *Functiile si ponderea instruirii asistate de calculator in predarea si invatarea limbii engleze*, Universitatea Babes-Bolyai din Cluj-Napoca, Noiembrie 2004
  - Cosmin Porumb: *Contribuții la dezvoltarea aplicațiilor multimedia distribuite*, Universitatea Tehnica din Cluj-Napoca, Decembrie 2004
  - Liviu Toma Jr.: *Contributions on Stereo Vision 3D Accurate Measurements*, Universitatea "Politehnica" din Timisoara, Februarie 2005
  - Bogdan Orza: *Contributii la dezvoltarea aplicațiilor multimedia destinate invatamantului la distanta*, Universitatea Tehnica din Cluj-Napoca, Aprilie 2005
  - Nicolae Miclau: *Contributii la cercetarea implementarii laserilor, cu fibra optica dopata, in retele neuronale optice*, Universitatea de Vest din Timisoara, Decembrie 2006
  - Constantin Hutanu: *Aplicatii ale sistemelor multimedia in educatia la distanta*, Universitatea Tehnica din Cluj-Napoca, Septembrie 2007
  - Alda Corina Nafornita: *Contributii la marcarea transparenta a imaginilor in domeniul transformatei wavelet*, Universitatea Tehnica din Cluj-Napoca, Februarie 2008
  - Sorin Alexandru Cocorada: *Cercetari teoretice si experimentale privind protocoalele cu trimitere multipla in retele mobile cu comutare de pachete*, Universitatea Transilvania din Brasov, Septembrie 2008
  - Csaba-Zoltan Kertesz: *Contributii la dezvoltarea de sisteme cu microcontrolere pentru monitorizarea unor parametri de siguranta in cladiri*, Universitatea Transilvania din Brasov, Septembrie 2008
  - Ioan Buciu: *Analiza fetei umane*, Universitatea "Politehnica" din Timisoara, Noiembrie 2008
  - Adrian Cosmin Chioreanu: *Cercetari privind analiza imaginilor cu aplicatii in reconstructia 3D*, Universitatea Tehnica din Cluj-Napoca, Ianuarie 2009

- Sanda Maria Porumb: *Contributii privind implementarea functionalitatilor colaborative in cadrul platformelor E-Services*, Universitatea Tehnica din Cluj-Napoca, Iulie 2009
- Mihai Machedon-Pisu: *Optimizari energetice si functionale ale sistemelor de achizitie pentru comunicatii wireless in banda ISM*, Universitatea Transilvania din Brasov, Septembrie 2010
- Andrei Bogdan Rus: *Calitatea serviciilor prin tehnici cross-layer pentru viitorul Internet*, Universitatea Tehnica din Cluj-Napoca, Februarie 2011
- Melinda Barabas: *Managementul rutarii in viitorul Internet*, Universitatea Tehnica din Cluj-Napoca, Septembrie 2011
- Georgeta Lucia Boanea: *Imbunatatirea rutarii multcale in viitorul Internet*, Universitatea Tehnica din Cluj-Napoca, Septembrie 2011
- Adrian-Valentin Nedelcu: *Adaptarea si optimizarea tehnologiilor wireless de proximitate in vederea integrarii in sisteme pervazive de comunicatii*, Universitatea Transilvania din Brasov, Septembrie 2011
- Vlad-Cristian Stoianovici: *Metode si tehnici pentru managementul si accesul dinamic la spectrul de radiofrecventa*, Universitatea Transilvania din Brasov, Septembrie 2011
- Mihaela Cislariu (Suteu): *Contributii la restaurarea, corectia si imbunatatirea imaginilor si secventelor video*, Universitatea Tehnica din Cluj-Napoca, Octombrie 2011
- Nicolae Valerian Ioan Muresan: *Proiectarea, implementarea si monitorizarea retelelor de control a parametrilor cladirilor inteligente*, Universitatea Tehnica din Cluj-Napoca, Octombrie 2011
- Anghel Botoș: *Study Regarding the Integration of Linear Coding Techniques into Content Distribution Mechanisms for Telecommunication Networks*, Universitatea Tehnică din Cluj-Napoca, Martie 2012
- Zsuzsanna-Ilona Kiss: *Metode si tehnici de integrare a algoritmilor de codare de retea in comunicatii*, Universitatea Tehnică din Cluj-Napoca, Septembrie 2012
- Lajos Losonczy: *Optimizarea sistemelor electronice distribuite, incorporate in aplicatii*, Universitatea Transilvania din Brasov, Septembrie 2012
- Danciu Marius Constantin: *Contribuții la dezvoltarea unor medii interactive de vizualizare, segmentare și analiză a datelor și imaginilor medicale*, Universitatea Tehnică din Cluj-Napoca, Noiembrie 2012
- Petrița Teodor: *Contribuții la modelarea unor caracteristici ale antenelor*, Universitatea "Politehnica" din Timisoara, Decembrie 2012
- Meza Șerban-Nicolae: *Contribuții la dezvoltarea sistemelor de viziune 2D & 3D*, Universitatea Tehnică din Cluj-Napoca, Ianuarie 2013
- Salcă Victor-Eugen: *Contribuții privind dezvoltarea instrumentelor educaționale interactive și aplicare lor în programele educaționale speciale*, Universitatea Tehnică din Cluj-Napoca, Ianuarie 2013
- Antone Alexandru: *Structuri funcționale și de evaluare în sistemele de televiziune digitală DVB*, Universitatea Tehnică din Cluj-Napoca, Octombrie 2013
- Laszlo V. Molnar: *Dezvoltarea serviciilor de telecomunicații în concordanță cu efectul lor psiho-social*, Universitatea Transilvania din Brasov, Noiembrie 2013
- Dragos Draghicescu: *Analiza inregistrarilor audio si recunoasterea vorbitorului in criminalistica*, Universitatea Politehnica din Bucuresti, Iunie 2014
- Mihaela Andrei: *Contributii asupra codurilor corectoare de erori, concatenate*, Universitatea Tehnica Gheorghe Asachi din Iasi, Noiembrie 2014
- Mariana Carmen Holotescu: *Tehnologii educationale emergente. Construirea unei platforme de microblogging pentru invatare formala si informala*, Universitatea Politehnica Timisoara, Ianuarie 2015
- Roland Szabo: *Contribuții la dezvoltarea metodelor și algoritmilor pentru calculul poziției brațelor robotice în spațiu folosind recunoaștere de culori. Implementare în FPGA*, Octombrie 2015
- Member in commissions for habilitation thesis:
  - Chiper Leferman Doru Florin, Universitatea Tehnica "Gheorghe Asachi" din Iasi, June 2013
  - Albu Felix, Universitatea "Politehnica" din Bucuresti, January 2014
  - Ancuti Cosmin, Universitatea Politehnica Timisoara, July 2014
  - Nafornta Corina Alda, Universitatea Politehnica Timisoara, March 2015
  - Ursutiu Doru, Universitatea Transilvania din Brasov, March 2016
  - Lascu Mihaela-Ruxandra, Universitatea Politehnica Timisoara, April 2016