

Curriculum Vitae Europass



Informații personale

Nume / Prenume

Vasiu Radu Adrian

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Naționalitate(-tăți)

Română

Data nașterii

28.10.1957

Experiența profesională

Perioada

Febr. 2016 - prezent

Funcția sau postul ocupat

Presedinte al Senatului Universitatii Politehnica Timisoara

Activități și responsabilități principale

Responsabil reglementare, decizie si dezbateri in universitate

Numele și adresa angajatorului

Universitatea Politehnica Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara

Tipul activității sau sectorul de activitate

Invatamant superior, Cercetare stiintifica

Perioada

2012 - 2016

Funcția sau postul ocupat

Presedinte al Comisiei de Cercetare a Senatului Universitatii Politehnica Timisoara

Activități și responsabilități principale

Responsabil cu politica si strategia de cercetare a universitatii

Numele și adresa angajatorului

Universitatea Politehnica Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara

Tipul activității sau sectorul de activitate

Invatamant superior, Cercetare stiintifica

Perioada

2012 - prezent

Funcția sau postul ocupat

Membru CNATDCU (Consiliul National de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare)

Activități și responsabilități principale

Membru in Comisia de electronica, telecomunicatii si nanotehnologie

Numele și adresa angajatorului

Ministerul Educatiei Nationale si Cercetarii Stiintifice

Tipul activității sau sectorul de activitate

Invatamant superior, Cercetare stiintifica

Perioada

2005 - prezent

Funcția sau postul ocupat

Conducator de doctorat in specializarea Inginerie electronica si telecomunicatii

Activități și responsabilități principale

Coordonator doctorat – 10 teze finalizate

Numele și adresa angajatorului

Universitatea Politehnica Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara

Tipul activității sau sectorul de activitate

Invatamant superior, Cercetare stiintifica

Perioada

2004 - 2012

Funcția sau postul ocupat

Secretar Stiintific al Universitatii „Politehnica” din Timisoara

Activități și responsabilități principale	Responsabil cu cercetarea si relatiile internationale ale universitatii
Numele și adresa angajatorului	Universitatea „Politehnica” din Timisoara, Rectorat, Pta. Victoriei, nr. 2, 300006 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior, Cercetare stiintifica
Perioada	2003 – prezent
Funcția sau postul ocupat	Director Centrul de Cercetări Multimedia din cadrul UPT
Activități și responsabilități principale	Responsabil activitate cercetare, managementul cercetarii, realizare proiecte de cercetare – dezvoltare nationale si internationale
Numele și adresa angajatorului	Universitatea “Politehnica” din Timisoara, Pta. Victoriei, nr. 2, 300006 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior, Cercetare Stiintifică
Perioada	2002 – prezent
Funcția sau postul ocupat	Profesor universitar, Departamentul de Comunicatii
Activități și responsabilități principale	Domenii de interes: multimedia, prelucrarea semnalelor audio-video, testarea echipamentelor electronice si de telecomunicatii, e-learning, big data si open data, Smart city, aplicatii mobile Responsabil invatamant la distanta Coordonare programe Europene Cursuri predate (licenta si master): Managementul proiectarii si cercetarii, Tehnologii avansate multimedia, Interactivitate si usabilitate, Tehnologii instructionale, Tehnologii Web, Testarea echipamentelor electronice si de telecomunicatii, Compresie audio-video
Numele și adresa angajatorului	Universitatea “Politehnica” din Timisoara, Fac. Electronica si Telecomunicatii Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior
Perioada	2005 -2011
Funcția sau postul ocupat	Evaluator ARACIS
Activități și responsabilități principale	Evaluarea programelor de studii in Comisia de Stinte Ingineresti
Numele și adresa angajatorului	ARACIS – Agentia Romana de Asigurare a Calitatii in Invatamantul Superior
Tipul activității sau sectorul de activitate	Evaluarea calitatii in invatamantul superior
Perioada	1999 – 2002
Funcția sau postul ocupat	Conferentiar universitar, Departamentul de Comunicatii
Activități și responsabilități principale	Predare, cercetare, Responsabil invatamant la distanta, Coordonare programe Europene
Numele și adresa angajatorului	Universitatea “Politehnica” din Timisoara, Fac. Electronica si Telecomunicatii Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior
Perioada	1990 – 1999
Funcția sau postul ocupat	Sef de lucrari, Departamentul de Comunicatii
Activități și responsabilități principale	Predare, cercetare, Responsabil invatamant la distanta din anul 1996, Coordonare programe Europene
Numele și adresa angajatorului	Universitatea “Politehnica” din Timisoara, Fac. Electronica si Telecomunicatii Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior
Perioada	1987 – 1990
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Domenii de interes: televiziune, dispozitive si circuite electronice, electronica analogica
Numele și adresa angajatorului	Institutul Politehnic “Traian Vuia” din Timisoara, Fac. de Electrotehnica Bul. Vasile Parvan, nr. 2, 300223 Timisoara
Tipul activității sau sectorul de activitate	Invatamant superior

Perioada	1986 – 1987
Funcția sau postul ocupat	Cercetator stiintific
Activități și responsabilități principale	Cercetare, proiectare-dezvoltare, management de proiect in domeniul: automatizari, testarea sistemelor digitale, sisteme de calcul tolerante la defectare
Numele și adresa angajatorului	Institutul National de Cercetare Stiintifica si Inginerie tehnologica pentru Automatizari (IPA), Filiala Timisoara, Bul. Republicii, nr. 9, Timisoara
Tipul activității sau sectorul de activitate	Cercetare stiintifica
Perioada	1984 – 1986
Funcția sau postul ocupat	Cercetator stiintific
Activități și responsabilități principale	Cercetare, proiectare-dezvoltare, management de proiect, in domeniul: masini automate de taiere oxiacetilenica, cu plasma si cu gaz, cu urmarirea optica a conturului taiat
Numele și adresa angajatorului	Institutul National de Cercetare pentru Sudura si Incercarea Materialelor (ISIM), Bul. Mihai Viteazu, nr. 12, Timisoara
Tipul activității sau sectorul de activitate	Cercetare stiintifica
Perioada	1982 – 1984
Funcția sau postul ocupat	Inginer stagiar
Activități și responsabilități principale	Proiectarea instalatiilor electrice la bordul navelor, a echipamentului de radiocomunicatii
Numele și adresa angajatorului	<i>Intreprinderea de Constructii Navale si Prelucrari la Cald Drobeta Turnu-Severin</i>
Tipul activității sau sectorul de activitate	Constructii navale
Educație	
Perioada	1991 – 1998
Calificarea / diploma obținută	Diploma de doctor inginer, domeniul Electronica si Telecomunicatii Teza: <i>Study of the Compression Methods Used in Digital Image Processing and Transmission</i>
Numele și tipul instituției de învățământ	Universitatea "Politehnica" din Timisoara, Fac. Electronica si Telecomunicatii, cu stagii la University of Central Lancashire, UK
Perioada	1977 – 1982
Calificarea / diploma obținută	Diploma de inginer electronist , echivalent licenta + master in specializarea Electronica si Telecomunicatii, Diploma de merit cu media absolvire si multianuala 10
Numele și tipul instituției de învățământ	Institutul Politehnic "Traian Vuia" din Timisoara, Facultatea de Electrotehnica
Formare continuă	
Perioada	1998 – 1999
Denumirea programului de formare	Cursul online LOLA (Learning about Open Learning) , specializare postuniversitara in Invatamant la Distanta
Numele furnizorului de formare	Universitatea "Herriot-Watt" din Edinburgh, Scotia, UK
Perioada	Martie – Iunie 2010
Denumirea programului de formare	Expert evaluator extern pentru programele de studiu in invatamant la distanta
Numele furnizorului de formare	ARACIS – Agentia Romana de Asigurare a Calitatii in Invatamantul Superior
Perioada	Februarie – Noiembrie 2010
Denumirea programului de formare	Program de formare in Managementul Universitar – modulele "Managementul activitatilor tertiare" si "Managementul cercetarii"
Numele furnizorului de formare	UEFISCDI – Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii

Apartenența la asociații profesionale naționale sau internaționale

Membru în organizații profesionale:

- IEEE Communications Society și IEEE Computer Society
- European Distance and E-learning Network (EDEN)
- European Association for Telematics Applications (EATA) – președinte 2008 – 2013
- International Association for e-Science – președinte din 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)
- Comisia pentru Integrare Europeană a Academiei Române, filiala Timisoara

Alte limbi

Auto-apreciere
European level (*)
Engleza
Franceza

Întelegere				Vorbire				Scriere	
Ascultare		Citire		Interacțiune vorbită		Vorbire			
	C2		C2		C2		C2		C2
	C2		C2		C1		B2		B1

(*) Common European Framework of Reference for Languages

Schimburi profesionale

Profesor invitat (pentru perioade între 2 săptămâni și 6 luni)

- 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)
- Université de La Rochelle, France, 2005, 2007 (Audio-Video Compression, Techniques Multimedia)
- Università 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 Salonica, Greece, 2008 (Digital Television)
- University of Applied Sciences Vienna, Austria, 2009 (Research Methodologies)
- University of Applied Sciences Salzburg, Austria, 2010, 2011 (Research Methodologies)
- Bonch-Bruyevich St-Petersburg State University of Telecommunications, Russia, 2013 (Green IT)

Activitate editorială

Membru în Colective de redacție sau recenzie pentru reviste internaționale

- *Executive Peer-Reviewer* pentru *Journal of Educational Technology & Society*, ISSN 1176-3647, e-ISSN 1436-4522, jurnal ISI (2007 – prezent)
- Editorial Board Member pentru *International Journal of Cyber Ethics in Education (IJCEE)*, ISSN 2155-6903, e-ISSN 2155-6911 (2009 – prezent)
- Technical Program Committee Member pentru *International Journal of Computing and Digital Systems*, ISSN 2210-142X, în anul 2015
- Guest Editor newsletter *IEEE Learning Technology*, ianuarie 2007
- Membru în colectivul editorial al *Buletinului Științific al UPT, Seria Electronica și Comunicatii*, ISSN 1583-3380, (2007 – prezent)
- Membru în colectivul editorial al *Acta Technica Napocensis, Seria Electronica și Telecomunicații*, ISSN 1221-6542, (2005 – prezent)
- Recenzor pentru editura CRC Press, pentru cartea *Advanced Topics in Wireless Multimedia Communication* de K. R. Rao, Z. Bojkovic, B. M. Bakmaz, 2012

Editor al unor volume de International Conference Proceedings

- Kinshuk, Sampson, Spector, Isaías, 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, Isaías, Radu Vasii (Editors): *Proceedings of the IADIS International Conference on Applied Computing 2010*, IADIS Press, 2010, 296 pages, ISBN 978-972-8939-30-4

Activitate editorială

Membru in Comitetul tehnic sau Comitetul de recenzie pentru conferinte internationale

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

Activitate editorială	Chairman, Co-Chair sau membru Program Committee la simpozioane si conferinte internationale ➤ Co-Chair al <i>NETTIES 2015 (Networking Entities): Open Data and Big Data – The Impact on Digital Society and Smart Cities</i>, organizata de IAFeS – International Association for e-Science, Tenerife, Spain, 5-8 march 2015 ➤ Co-organizator al Summer University St. Petersburg 2013, la Bonch-Bruевич Saint-Petersburg State University of Telecommunications, 30 Iunie - 12 Iulie 2013 ➤ Program Committee Member pentru <i>Conference on Technology for Education (T4E)</i>, India (2012-prezent) ➤ Program Committee Member pentru <i>11th International Conference on Web-based Learning ICWL2012</i>, Sinaia, sept. 2012 ➤ Program Committee Member pentru <i>13th IEEE International Conference on Computational Science and Engineering (CSE 2010)</i>, 11-13 Decembrie 2010, Hong-Kong SAR, China ➤ Program Committee Member pentru <i>International Conference “E-Education: Science, Study and Business”</i>, 24-25 Noiembrie 2010, Vilnius, Lituania ➤ Program Committee Member pentru <i>International Conference on Information and Software Technologies</i>, Kaunas, Lituania (2008 – prezent) ➤ Co-organizator al cursurilor de vara <i>Computer Aided Translation – Localization, Internationalisation and Globalization</i>, Palermo, sept 2008, 2009, 2010 si 2011, in colaborare cu Universita degli Studi di Palermo ➤ Program Committee Member and Organizing Committee Member pentru <i>IADIS International Conference on Cognition and Exploratory Learning in Digital Age (CELDA)</i>, (2005 – prezent) ➤ Co-chair al <i>Conferintei Internationale Applied Computing 2010</i>, Timisoara, 14-16 octombrie 2010, organizata in cooperare cu IADIS – International Association for the Development of Information Society ➤ Co-Chair al <i>SynEnergy Forum (S.E.F.)</i>, the Conference for International Synergy in Energy, Environment, Tourism and Information Technology, Spetses, Grecia, 28-31 mai 2008; ➤ Co-Chair al <i>NETTIES 2006 (Networking Entities): The Future of E: Advanced Educational Technologies for a Future e-Europe</i>, 12th EATA – European Association for Telematics Applications International Conference, 6-9 septembrie 2006, Timisoara, Romania ➤ Chair al <i>Lifelong Learning and Distance Education in the Information Society</i>, curs intensiv, 7-12 august 2000, Newton Rigg Campus, UK; ➤ Chair al <i>New Approaches to Education & Training for Industry</i>, conferinta internationala, 13-15 septembrie 1999, Timisoara, Romania; ➤ Chair al <i>Telematics Applications within Distance Education</i>, curs intensiv, 24-29 mai 1999, Atena – Halkis, Euboea, Grecia; ➤ Co-chair al <i>Information Society and the Media</i>, conferinta internationala, 10-15 noiembrie 1997, Timisoara
Activitate editorială	Publicatii ➤ Autor/coautor a 14 carti aparute in edituri nationale, editor a 2 volume de conference proceedings aparute in edituri internationale si 1 in edituri nationale, 15 capitole in carti aparute in edituri internationale si 3 in edituri nationale, 5 manuale pentru studenti, peste 130 de lucrari publicate in diverse jurnale internationale si volume de lucrari. Lista celor mai recente este prezentata in Anexa 1.
Activitate de cercetare	Contracte de cercetare-dezvoltare-inovare ➤ Director / coordonator pentru Romania a 20 proiecte internationale finantate de Comisia Europeana, in valoare de peste 2.160.000 Euro si membru in echipa de implementare a altor 10 proiecte. ➤ Director a 3 proiecte nationale de cercetare-dezvoltare si membru in echipa de implementare a altor 4 proiecte. ➤ Coordonator a 3 proiecte finantate din Fonduri Structurale si membru in echipa de implementare a altor 5 proiecte. Lista celor mai importante este prezentata in Anexa 2. Cercetare in cadrul conducerii de doctorat ➤ Coordonator a 10 doctoranzi in stagi ➤ 10 doctoranzi cu teza finalizata si sustinuta ➤ Participant in 34 comisii de doctorat
Anexe	Anexa 1: Lista publicatiilor Annex 2. Contracte de cercetare.



ANEXA 1 – LISTA PUBLICATIILOR

Prof.dr.ing. RADU ADRIAN VASIU

Autor/coautor a 14 carti aparute in edituri nationale, editor a 2 volume de conference proceedings aparute in edituri internationale si 1 in edituri nationale, 15 capitole in carti aparute in edituri internationale si 3 in edituri nationale, 5 manuale pentru studenti, peste 130 de lucrari publicate in diverse jurnale internationale si volume de lucrari. Lista celor mai recente:

- Mihai Onita, Sorin Petan, Radu Vasii, *Review of Interactive Video - Romanian Project Proposal*, International Education Studies (IES) Journal, ISSN 1913-9020, e-ISSN 1913-9039, vol. 9, no. 3, febr 2016, pp. 24-40
- Vlad Mihaescu, Diana Andone, Radu Vasii, *An Analysis of Different MOOC Environments from the Students' Perspective*, Proceedings of the European MOOCs Stakeholders Summit on experiences and best practices in and around MOOCs (EMOOCs 2016), February 22-24, 2016, Graz, Austria, ISBN 978-373-923710-7, pp. 417-424, OUTSTANDING PAPER AWARD
- Diana Andone, Radu Vasii, *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-ISSN 978-981-287-868-7, Springer Singapore, 2016, 503 pag.
- Radu Vasii, *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 Vasii, *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 Vasii, 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 Vasii, *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 Vasii, *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 Vasii, *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, pp. 303-307
- Andrei Ternauciuc, Radu Vasii, *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 Vasii, *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
- Oana Munteanu, Thierry Bouwmans, El-Hadi Zahzah, Radu Vasii, *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, Vasii 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, CCIS Springer International Publishing Switzerland 2015, WOS:000369179100011

- 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, CCIS Springer International Publishing Switzerland 2015, WOS:000369179100012
- 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, CCIS Springer International Publishing Switzerland 2015, WOS:000369179100013
- 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
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ANEXA 2 – CONTRACTE CERCETARE

Prof.dr.ing. RADU ADRIAN VASIU

Proiecte internationale

Perioada	Titlul proiectului	Sursa de finantare	Valoarea	Pozitia
2014-2016	ERASMUS+ Project “m-commerce”, Nr: 2014-1-AT-01-KA202-000966	Comisia Europeana	21.151 €	Coordonator pentru Romania
2011-2013	Lifelong Learning Programme “The Age-Friendly City – TAFCity”, no. 2011-1-ES1-LEO05-35886	Comisia Europeana	46.319 €	Membru
2011-2012	Lifelong Learning Programme “International Internship AGORA – I2AGORA”, no. 511784-LLP-1-2010-1-HU-KA4-KA4MP	Comisia Europeana	59.201 €	Membru
2011-2012	HU-RO Cross-Border Co-operation Programme “Studies for assistance to commercialize innovative research results of PROs in Timis and Csongrad counties serving as pilot for future projects - COMINPRO”, HURO/1001/043/2.2.4	Phare CBC Program transfrontalier HU-RO	49.135 €	Director
2010-2012	Lifelong Learning Programme “Cross Border Virtual Incubator – CBVI”, no. 510216-LLP-1-2010-NL-ERASMUS-ECUE	Comisia Europeana	25.340 €	Membru
2010-2012	Lifelong Learning Programme “Sustainable Know-How in Intercultural Learning in Student Placements and the Knowledge Transfer to Enterprises – SKILL2E”, no. 510416-LLP-1-2010-1-AT-ERASMUS-ECUE	Comisia Europeana	34.194 €	Membru
2008-2010	Lifelong Learning Programme „ESIL – European Sustainable Innovation License for SMEs”, no. LLP/LdV/TOI/2008/AT/23	Comisia Europeana	11.157 €	Coordonator pentru Romania
2008-2010	Proiectul FP7 – Regions of Knowledge „WeSteer – Support Actions for the Emergence of a Research-Driven Automotive Cluster in West Romania”, desfasurat prin Asociatia Tehimpuls unde UPT este membru fondator	Comisia Europeana		Membru
2008-2009	Proiectul HU-RO de colaborare transfrontaliera „BROKINNOVOUCHER – Sprijin pentru cooperarea și inovarea întreprinderilor mici și mijlocii din zona România-Ungaria”, desfasurat prin Asociatia TehImpuls unde UPT este membru fondator	Phare CBC Program transfrontalier HU-RO	161.144 €	Membru

2008-2009	Proiectul de vecinătate România - Serbia „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”, desfășurat prin Clusterul Automotivest unde UPT este membru fondator, Nr. contract: RO 2006/018-448	Phare CBC România - Serbia		Membru
2007-2009	Lifelong Learning Programme „Creative Trainer”, no. LLP/LdV/TOL/2007/AT/19	Comisia Europeană	20.081 €	Coordonator pentru România
2007-2009	Lifelong Learning Programme „VICADIS – Virtual Campus for Digital Students”, no. 134039-LLP-1-2007-1-RO-ERASMUS-EVC	Comisia Europeană	365.747 €	Coordonator
2005–2007	Leonardo Reference Materials programme “e-Report”, No. 2005-2025/001-001 LE2-51OREF	Comisia Europeană	75.000 €	Coordonator pentru România
2005-2006	Leonardo mobilities program “Formation professionnelle dans le domaine de la gestion du transfert de technologie – TehnoTrans”, no. RO/2005/95052/EX , proiect coordonat de APART	Comisia Europeană		Membru
2004–2006	Socrates Erasmus Curriculum Development programme “IMM – International Online Master in Multimedia”, No. 49104-IC-1-2003-1-RO-ERASMUS-PROGUC	Comisia Europeană	108.538 €	Coordonator
2004–2006	Socrates Minerva programme “e-Taster – short, free on-line courses – “tasters” - for multilingual, international delivery”, No. 116684-CP-1-2004-1-HU-MINERVA-M	Comisia Europeană	61.314 €	Membru
2004–2006	Leonardo programme E2ngineering, No. L-B-PP-170029 / 2004	Comisia Europeană	23.153 €	Coordonator pentru România
2004–2006	Leonardo programme “METOIM – Measure to Improve”, No. 2004 - I/04/B/F/PP-154047	Comisia Europeană	51.476 €	Coordonator pentru România
2003–2005	Leonardo programme „REMOTE - Retail Education Mechanism for On-line Training in Europe”, No. UK/03/B/F/PP-162_010	Comisia Europeană	34.352 €	Coordonator pentru România
2001–2003	Socrates Minerva programme “MISSION - Multi-Country Integrated System Support for Improved ODL Networking”, No. 90389-CP-1-2001-1-HU-MINERVA-M	Comisia Europeană	21.000 €	Coordonator pentru România
2001–2003	Leonardo programme „EKC – European Key Competences”, No. NL-00-B-F-PP-123054	Comisia Europeană	18.300 €	Coordonator pentru România
2000	Leonardo Mobility programme SANGRIA	Comisia Europeană	6.000 €	Coordonator pentru România
1999–2000	Leonardo programme “Multiply CADUBALM - Computer-Assisted Development of Teaching Units Based on Authentic Language Material”, No. MC-TZM-UT	Comisia Europeană	8.400 €	Coordonator pentru România
1999–2001	Leonardo programme „TIMKARS” No.RO/99/2/011079 /PI/II.1.1.c/FPC	Comisia Europeană	225.036 €	Coordonator financiar

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

Proiecte Nationale de Cercetare – Dezvoltare

Perioada	Titlul proiectului	Sursa de finantare	Valoarea	Pozitia
2009-2010	<i>Research on Emotional Facial Expression recognition in Complicated Environment</i> , 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	Membru
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	Membru
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	Membru
2001-2003	Crearea si dezvoltarea unui Centru pentru Tehnologia Informatiei si a Comunicarii, proiect INFOSOC no. 45/ 7.11.2001	MEdC	288.000 RON	Membru

Proiecte finantate din Fonduri Structurale

Perioada	Titlul proiectului	Sursa de finantare	Valoarea	Pozitia
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	Membru
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	Membru
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	Coordonator local
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	Coordonator local
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	Coordonator local
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		Membru
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		Membru
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		Membru

Rezultate in proiectare-cercetare-dezvoltare inginerasca

- 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), 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, unelte 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 anticolidiune 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

Cercetare in cadrul conducerii de doctorat

- 10 doctoranzi in stagi (George Mulec, Andrei Rusan, Ciprian Orhei, Rafael Leucuta, Diana Sophia Codat, Paul Pfaff, Sebastian Avram, Dan Bogos, Sorin Ivascu, Oana Munteanu);
- 10 doctoranzi care au finalizat studiile:
 - 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)
- Participare ca referent oficial in 34 comisii de doctorat:
 - 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 aplicatiilor 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 Chioresanu: *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 Losonczi: *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
- Membru in comisii de evaluare a tezei de abilitare:
 - Chiper Leferman Doru Florin, Universitatea tehnica "Gheorghe Asachi" din Iasi, Iunie 2013
 - Albu Felix, Universitatea "Politehnica" din Bucuresti, Ianuarie 2014
 - Ancuti Cosmin, Universitatea Politehnica Timisoara, Iulie 2014
 - Naforita Corina Alda, Universitatea Politehnica Timisoara, martie 2015