

PERSONAL INFORMATION

Muguras Daniel MOCOFAN



✉ muguras.mocofan@upt.ro mugur@multimediasign.ro (personal email)

Sex M | Date of birth 07/04/1970 | Nationality Romanian

WORK EXPERIENCE

October 1995 - present

Lecturer
 Communications Department
 Faculty of Electronics and Telecommunications
 Politehnica University of Timisoara, Romania

Courses:

- Analog Electronics
- Electronic Devices and Circuits
- Testing electronics and telecommunications equipment
- Broadcast Studio Equipment's
- Audio-Video Production
- Audio-Video Compression
- Multimedia application development
- Multimedia Production
- Programming WWW
- Object Oriented Programming
- Python Programming
- Digital Media
- Content managent systems
- Multimedia Databases
- Computer Assisted Training / eLearning

EDUCATION AND TRAINING

1994 - 2003

PhD

Domain: Engineering in Electronics and Telecommunication Engineering - Multimedia Databases
 Title: Contributions to the development of multimedia applications that use databases with content-based search
 "Politehnica" University of Timisoara, Romania

1994 - 1995

Postgraduate Diploma

Adaptive digital signal processing for communications
 Faculty of Electronics and Telecommunications, "Politehnica" University of Timisoara, Romania

1989-1994

Bachelor degree

Electronics and telecommunications
 Faculty of Electronics and Telecommunications, "Politehnica" University of Timisoara, Romania

1984-1988

Baccalaureate

Computer Science, Mathematics and Physics High School, Resita, Romania

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1
French	B2	B2	B2	B2	B1

Communication skills Good communication skills gained through my experience as teacher

Organisational / managerial skills

- Over a period of 9 years I was responsible for the schedule Faculty of Electronics and Telecommunications
- I participated in five grant CNCISIS in two I was Director
- Member of the Board of the Faculty of Electronics and Telecommunications , from 2012
- Member of the Board of the Faculty of Communications Science , from 2016.
- Member of the Board of the Department of Communications, from 2012
- Member of the organizing committee of NETTIES 2006 Timisoara, Romania .
- Member of the organizing committee of ISYPMR 2012/2013/2014/2045/2016/2017/2018/2019

Job-related skills

Technical skills have been developed through the following scholarships and training programs:

- "Developing multimedia applications" - Universite 'Sophia Antipolis, "de Nice in France, February-May 1997
- "Distance education; Study Methods "- Institute of Technologies, Oulu, Finland, October-December 1998
- "Within Telematics Distance Education" - Technical Educational Institute of Piraeus, Athens, Greece, 22 - 29/05/1999
- "Learning About Open Learning" - Heriot-Watt University, UK, February-September 1999
- "Equipment for multimedia productions" - Universite 'Sophia Antipolis, "of Nice in France, May-June 2000
- "Lifelong Learning and Distance Education in the Information Society" - University of Central Lancashire Preston, UK, August 2000
- Socrates - to prepare Thesis - Universite 'Sophia Antipolis, "of Nice in France, May-July 2001
- "Multimedia Authoring for WWW" - Institute of Technologies, Oulu, Finland, april 2003
- POSTDOC - Image processing, Université La Rochelle - La Rochelle, France, November 2011
- MLEARN - use of mobile technologies in education - Birmingham, UK, July 2014

Computer skills

- HTML, CSS, PHP, MySQL, JAVA, JavaScript, C, Python
- Microsoft Office
- MathCAD, MathLab

Other skills

- Audio / Photo / Video - Production

Driving licence A, B

ADDITIONAL INFORMATION

Publications
 (selection)

- D. Andone, V. Mihaescu, A. Ternauciuc, S. Vert, R. Vasii, M. Mocofan, DigiCulture - courses for enhancing digital competences, PROCEEDINGS OF THE 2021 IEEE GLOBAL ENGINEERING EDUCATION CONFERENCE (EDUCON), Apr. 21-23, 2021, Vienna, Austria, pp. 1062-1066, ISSN2165-9567, DOI10.1109/EDUCON46332.2021.9453911
- Ciprian Orhei, Muguras Mocofan, Silviu Vert, Radu Vasii, End-to-End Computer Vision Framework, 2020 14th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, 5-6 Nov. 2020, pp. 63-66, ISBN 978-1-7281-8921-5, doi: 10.1109/ISETC50328.2020.9301078, WOS:000612681000017
- Muguras Mocofan, Camelia Ciuclea, Need of Open Education Resources in the Students Opinion, E-LEARNING CHALLENGES AND NEW HORIZONS, VOL 4, pp. 357-362, ISSN2066-026X, 14th International Scientific Conference on eLearning and Software for Education - eLearning Challenges and New Horizons, Apr. 19-20, 2018, Bucharest, Romania, DOI10.12753/2066-026X-18-264
- Muguras Mocofan, Camelia Ciuclea, Student technologies proposal to be used in the development of open courses, 10TH International Conference of Education, Research and Innovation (ICERI2017), pp. 2814-2818, nov 16-18, 2017, Seville, Spain WOS:000429975302138
- Muguras Mocofan, Improvement of courses interactivity using web and mobile technologies for instant feedback, INTED2017: 11TH International Technology, Education and Development Conference, INTED Proceedings pp. 6649-6654, mar 06-08, 2017, Valencia, Spain, WOS:000427401301091
- Muguras Mocofan, Learning by games; A study case of the COFFE project implementation in Romania, Elearning Vision 2020!, 12th International Scientific Conference on eLearning and Software for Education (eLSE), Vol I pp. 529-533, apr. 21-22, 2016, Bucharest, Romania, WOS:000385395900077
- Muguras Mocofan, Daiana Huber, Training teachers to use mobile hand (held) technologies within mainstream school education in Romania, Rethinking education by leveraging the elearning pillar of the digital age for Europe!, 11th International Scientific Conference on eLearning and Software for Education (eLSE), apr. 23-24, 2015, Bucharest, Romania, Vol. I, Book Series: eLearning and Software for Education, Pages: 245-248, WOS:000384469000036
- Sorin Pețan, Muguraș Mocofan, Radu Vasii, Enhancing Learning in Massive Open Online Courses through Interactive Video, 10th International Scientific Conference on eLearning and Software for Education ELSE 2014, Bucharest, 24-25 April 2014, ISSN 2066-026X, vol. 1, pp. 291-297, WOS:000357153000042
- Sorin Pețan, Muguras Mocofan, Radu Vasii, Personality Detection in Interactive Video, 10th International Scientific Conference on eLearning and Software for Education ELSE 2014, Bucharest, 24-25 April 2014, ISSN 2066-026X, vol. 2, pp. 385-392, WOS:000357159300061
- Mocofan, M; Alexa, F", Dynamic textures Classification in Multimedia Databases, IEEE, Timisoara, Romania, ISBN 978-1-4799-7267-8, NOV 14-15, 2014, 4 pag., 11th International Symposium on Electronics and Telecommunications (ISETC), 2014, WOS:000366633300066
- Muguraș Mocofan, Radu Vasii, A 3D Approach to Co-occurrence Matrix Features used in Dynamic Textures Indexing, Conference on Interdisciplinary Research in Engineering Steps towards Breakthrough Innovation for Sustainable Development (INTERIN 2013), in Advanced Engineering Forum, Trans Tech Publications, Switzerland, vol. 8-9, June 2013, pp. 516-526, ISBN:978-3-03785-785-4, ISSN 2234-9898, DOI: 10.4028/www.scientific.net/AEF.8-9.516, WOS:000323184000058
- Mocofan, M; Alexa, F, Analysis of dynamic textures using a 3D approach for the Co-occurrence Matrix Features, 2012 10TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS, IEEE, Timisoara, Romania, ISBN 978-1-4673-1176-2, NOV 15-16, 2012, 4 pag., 10th International Symposium on Electronics and Telecommunications (ISETC), 2012, WOS:000318702700054
- Mocofan, M; Suba, M, Fast textural analysis method for aluminum detection in calcium aluminoferrite, 2010 9TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), IEEE, Timisoara, ISBN 978-1-4244-8458-4, NOV 11-12, 2010, 4 pag., 9th International Symposium on Electronics and Telecommunications (ISETC), 2010, 10.1109/ISETC.2010.5679299, WOS:000296356700084
- Iasmina Ermalai, Mugur Mocofan, Mihai Onita, Radu Vasii: Adding Semantics to Online Learning Environments, 5th International Symposium on Applied Computational Intelligence and Informatics SACI 2009, Timisoara, 28-29 May 2009, pp. 559-563, e-ISBN 978-1-4144-4478-6, ISBN 978-1-4244-4477-9, DOI: 10.1109/SACI.2009.5136212, WOS:000273929400102
- Mugur Mocofan, Radu Vasii, Marian Bucos, Mihai Onita, Iasmina Ermalai, Multimedia interfaces in the control process of smart buildings using 3D scenes, flash, animations and relational databases, Proceedings of the 11th International Conference Optimization of Electrical and Electronic Equipment OPTIM 2008, Brasov, Romania, 22-23 May 2008, pp. 213-216, ISBN 978-1-4244-1544-1, DOI: 10.1109/OPTIM.2008.4602524, WOS:000258474700036
- Mocofan, M; Căleanu, C; Lăcrămă, D; Alexa, F, Unsupervised texture image segmentation, NEUREL 2000: PROCEEDINGS OF THE 5TH SEMINAR ON NEURAL NETWORK APPLICATIONS IN

- ELECTRICAL ENGINEERING, IEEE, BELGRADE, Serbia, ISBN 0-7803-5512-1, SEP 25-27, 2000, 4 pag., 5th Seminar on Neural Network Applications in Electrical Engineering, 2000, WOS:000172736400020
- C. Orhei, M. Mocofan, S. Vert and R. VasIU, An automated threshold Edge Drawing algorithm, 2021 44th International Conference on Telecommunications and Signal Processing (TSP), 2021, pp. 292-295, doi: 10.1109/TSP52935.2021.9522661.
 - Orhei C., Vert S., Mocofan M., VasIU R. (2021) TMBuD: A Dataset for Urban Scene Building Detection, Information and Software Technologies. ICIST 2021, Communications in Computer and Information Science, vol 1486. Springer, Cham. https://doi.org/10.1007/978-3-030-88304-1_20
 - Diana Andone; Andrei Ternauciuc; Silviu Vert; Muguras Mocofan; Vlad Mihaescu; Daniela Stoica, Radu VasIU, "Learning with Open Cultural Data - Jecza Museum for DigiCulture Study Case," 2021 International Conference on Advanced Learning Technologies (ICALT), 2021, pp. 17-19, doi: 10.1109/ICALT52272.2021.00012.
 - D. Andone, V. Mihaescu, A. Ternauciuc, S. Vert, R. VasIU and M. Mocofan, "DigiCulture - courses for enhancing digital competences," 2021 IEEE Global Engineering Education Conference (EDUCON), 2021, pp. 1056-1060, doi: 10.1109/EDUCON46332.2021.9453911.
 - Radu VasIU, Muguras Mocofan, Andrei Ternauciuc, Open Online Courses for Business: the M-Commerce Case, 13th International Scientific Conference eLearning and Software for Education, Bucharest, April 27-28, 2017, pp. 304-309, ISSN 2066-026X, e-ISSN 2543-7669 (DBLP)
 - Radu VasIU, Diana Andone, Muguras 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
 - Muguraş Mocofan, Delia Tănase, Teaching Techniques for Image Database Indexing Using Learning Systems Platforms, , IEEE Explore, Marrakesh, Morocco, ISBN 978-1-4673-1457-2, ISSN 2165-9559, 2012, 259, 262, Collaborative Learning & New Pedagogic Approaches in Engineering Education, 17-20 aprilie 2012, Marrakesh, Maroc
 - Muguras Mocofan, Radu VasIU, Dynamic Textures Indexing Using the Co-occurrence Matrix Features, 7th IEEE International Symposium on Applied Computational Intelligence and Informatics SACI 2012, Timișoara, România, 24-26 Mai 2012, ISBN 978-1-4673-1014-7, e-ISSN 978-1-4673-1012-3, print ISBN 978-1-4673-1013-0, pp. 327-330, INSPEC Accession Number 12907482, doi: 10.1109/SACI.2012.6250024 (Scopus, IEEE Xplore)
 - Muguraş Mocofan, Sorin Peţan, Robust Media Streaming over the Internet, Buletinul Institutului Politehnic din Iași. Electrotehnică, Energetică, Electronică, B+, Iasi, Romania, ISSN ISSN 1223-8139, pp. 262-267, TOM LVII (LXI), Fasc 6, 2011
 - Muguraş Mocofan, Sorin Peţan, Radu VasIU: Educational Framework Model for Image Processing and Image Databases, in "Computational Engineering in Systems Applications" (vol. II), Proceedings of the International Conference on Energy, Environment, Economics, Devices, Systems, Communications, Computers, Iasi, IAASAT Press, 1-3 July 2011, pp. 143-146, ISSN 2223-9812, ISBN 978-1-61804-014-5 (DOAJ)
 - Andrei TERNAUCIUC, Mihai ONITA, Daniel IVANC, Muguras MOCOFAN, DESIGNING AN INTERACTIVE USER-GUIDE FOR MOODLE, The 7th International Scientific Conference "eLearning and Software for Education", eLSE 2011, Bucharest, Romania, Aprilie 28 - 29, 2011
 - Bogdan Dragulescu, Ermalai Iasmina, Marian Bucos, Muguraş Mocofan, Using hCard and vCard for improving usability in Moodle, SCOPUS, Timisoara, Romania, ISBN 978-1-4244-9107-0, 2011-05-19, 473, 476
 - Muguraş Mocofan, Dan Vatca, Testing performance of virtualization and storage in a single appliance, Telecommunications Forum (TELFOR), 2011 19th , IEEE Explore, Belgrad, Serbia, ISBN 978-1-4577-1499-3, 1382, 1385, 2011
 - Muguraş Mocofan, Iasmina ERMALAI, Marian Bucos, Mihai Onita, B. Dragulescu, Supervised tree content based search algorithm for multimedia image databases, SACI 2011: 6th IEEE International Symposium on Applied Computational Intelligence and Informatics, IEEE Explore, Timișoara, Romania, ISBN 978-1-4244-9108-7, 469, 472, 2011
 - Iasmina ERMALAI, Mihai Onița, Muguraş Mocofan, Radu VasIU, Inserting Microformats into Online Learning Environments, Buletinul Științific al UPT, Seria Automatică și Calculatoare, vol. 55(69), nr. 1, March 2010, pp. 37-42, ISSN 1224-600X (Copernicus)

Projects

International Projects:

- 2021-2022 Multimedia Competencies for University Staff to Empower University - Community Collaboration - MUST, proiect nr. 2020-1-RO01-KA203-080399
- 2019-2021, ERASMUS+ Strategic Partnerships Project „MODE-IT”, 2019-1-DE01-KA203-00051, membru
- 2018-2021, ERASMUS+ Strategic Partnerships Project "DigiCulture", 2018-1-RO01-KA204-049368, membru
- 2018-2020, ERASMUS+ Strategic Partnerships for HE Project “ABC to VLE”, 2018-1-UK01-KA203-048123, membru
- 2017-2020, ERASMUS+ Knowledge Alliance Project “IoT Rapid-Proto Labs”, 588386-EPP-1-2017-1-FI-EPPKA2-KA, membru
- 2017-2020, ERASMUS+ Project „Open VM”, 2017-1-DE01-KA203-003494, membru
- 2014-2016, Erasmus+ M-commerce project “Training pentru personalul și angajații firmelor mici și mijlocii (IMM-uri) pentru realizarea dezvoltărilor ulterioare și pentru extinderea activităților de m-commerce” (2014-1-AT-01-KA202-000966)
- 2011-2013, Lifelong Learning Programme “The Age-Friendly City – TAFCity”, no. 2011-1-ES1-LEO05-35886 membru
- 2011-2012, Lifelong Learning Programme “International Internship AGORA – I2AGORA”, no. 511784-LLP-1-2010-1-HU-KA4-KA4MP, 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, 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, membru
- 2007 – 2009 Lifelong Learning Programme „Creative Trainer”, no. LLP-LdV /TOI/2007/AT/0019;
- 2007-2009 - Lifelong Learning Programme "VICADIS", no. 134039-LLP-1-2007-1-RO-ERASMUS-EVC
- 2005-2007 - Leonardo Reference Materials programme "e-Report", No. 2005-2025/001-001 LE2-51OREF
- 2004-2006 - Socrates Erasmus Curriculum Development programme "IMM – International Online Master in Multimedia", No. 49104-IC-1-2003-1-RO-ERASMUS-PROGUC
- 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
- 2004-2006 - Leonardo programme E2ngineering, No. L-B-PP-170029 / 2004
- 2004-2006 - Leonardo programme "METOIM – Measure to Improve", No. 2004 - I/04/B/F/PP-154047
- 1998-1999 - Phare Multi-Country programme for Distance Education, No. ETF/0062/NCP-06-TM/1997
- 1997-2001 - Tempus programme "TEMIS – Telematics and Multimedia within the Information Society", S-JEP 12086/97
- 1995-1998 - Tempus programme "DRUM – Development of Romanian Universities Multimedia", S-JEP 09838/95

National Projects:

- 2007-2010 - Increasing the Efficacy of the Support Proceses for the International Transfer of the Managerial Know-how in the Field of Applied Research and Innovation (WINMAN), PN-II project, no. 91051 / 14.09.2007
- 2001-2003 - Creation and development of a Centre for Information and Communications technology, no. INFOSOC 45/ 7.11.2001
- 2007-2010 - Biomedical Signals' Aquisition and Tele-transmission through Mobile Devices (BIOMED-TEL), PN-II project, no. D1-1-057 / 21.09.2007
- 2006-2008 - Monitoring and Control from the Distance for Intelligent Buildings (COMODICI), CEEX project, no. 60 CEEX II 03 / 28.07.2006
- 2005-2008 - Foresight Scenarios for the Romanian Economy Sectors and Branches, with Innovative Potential, in the Perspective of 2020 (INOVFOR), CEEX project, no. 05-D8-77 / 19.10.2005
- 2005-2008 - Development of the Social Responsibility in Romanian Companies, in a European Context (RSE&UE), CEEX project, no. 05-D8-5 / 10.10.2005
- 2005-2006 - Artificial Intelligence in building a face detection and recognition system – CNCSIS
- 2005-2007 - Object tracking estimation in video sequences - CNCSIS
- 2004-2005 - The Traditions and Culture in the Multiethnic Region of Banat – interactive presentation on CD-ROM and Internet – CNCSIS AT 26/2005— Director
- 2002-2003 - Prevention and assessment of natural disasters using modern imaging methods CNCSIS AT 33501/17.07.02, Tema 7, cod CNCSIS 4/2002 - 17/2003 — Director
- 1996 - Compression methods and analysis used in the transmission of multimedia information B-ISDN networks – 2039GR/1996 tema B3

Structural Funds:

- 2010-2013 IS – SIMULATED ENTERPRISE FOR WORKING SKILLS IN TECHNOLOGICAL COMPANIES POSDRU Project, no. POSDRU/90/2.1/S/56319
- 2010-2013 DIDATEC – LIFELONG LEARNING AND TRAINING FOR HIGHER EDUCATION TEACHERS IN THE TECHNICAL SCIENCES AND ENGINEERING FIELDS, POSDRU Project, no. POSDRU/86/1.3/S/608912010-2013 eSTART – MULTI-REGIONAL MASTER STUDY PROGRAMME IN THE FIELD OF eACTIVITIES, POSDRU project, no. POSDRU/86/1.2/S/54956
- 2010-2013 4D-POSTDOC – DEVELOPMENT AND SUPPORT FOR POSTDOCTORAL MULTIDISCIPLINARY PROGRAMMES IN PRIORITY TECHNICAL FIELDS ACCORDING TO THE NATIONAL RESEARCH–DEVELOPMENT–INNOVATION STRATEGY, POSDRU project, no. POSDRU/89/1.5/S/52603
- 2010-2013 NATIONAL NETWORK OF TRAINING FOR TEACHERS FROM PROFESSIONAL AND TECHNICAL PRE-UNIVERSITY EDUCATION – CONCORD POSDRU Project, No. POSDRU/87/1.3/S/61397

References

Professor Radu Vasiiu – radu.vasiiu@upt.ro
Faculty of Electronics and Telecommunications
Politehnica University of Timisoara, Timisoara, Romania

Timișoara, 26.10.2021

Semnătura:

