





"Ștefan cel Mare" University of Suceava, Faculty of Electrical Engineering and Computer Science

Mother tongue(s)	Română				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Italian	A1	A1	A1	A1	A1
	Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user				
Communication skills	 good communication skills gained through my experience as teacher at th University "Stefan cel Mare" of Suceava 				
Organisational / managerial skills	 graduation of "P 	roject Manageme			e in 2006
Digital competence	Information		SELF-ASSESSMEN		Problem
	processing	Communication	creation	Safety	solving
	Proficient user	Proficient user	Proficient user	Proficient user	Proficient use
	 Digital Signal Processing (Software and Hardware development Tools from Analy Devices – ADSP2181, ADSP BF535) SoC-HDL Designing, Synthesis and Verification (Verilog, VHDL, ISE Desig ModelSim, UVM – Spartan and Virtex family) Xilinx FPGA programming platforms; Vivado, Vivado HLS, Xilinx SDK, Xilinx System Generator MATLAB/Simulink tools; Verilog, VHDL (beginner), SystemC (including synthesizable version) languages; Embedded Systems Programming and Design High Level Programming (C, C++, Visual C, Python) Low Level Programming (x86, ARM, MIPS Assembling) PCB Designing (Orcad, Protel, Altium Designer) Real Time and Parallel Programming (Cell BE Programming) 				
Driving licence	В				
ITIONAL INFORMATION					

Navigation - ELEKTRONIKA IR ELEKTROTECHNIKA Issue: 5 Pages: 77-82 Published: 2009 – ISSN 1392-1215, IF 0.439



- Tanase, CA; Vatavu, RD; Pentiuc, SG; Graur A Detecting and Tracking Multiple Users in the Proximity of Interactive Tabletops - ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 8 Issue: 2 Pages: 61-64 Published: 2008 – ISSN 1582-7445
- Cristian Andy Tanase, Vasile Gheorghita Gaitan Dynamic, unbalanced distribution of tasks on a PS3 cluster system for double precision calculation - The Journal of Supercomputing, Springer Netherlands, Volume 62, Issue 3, pp:1502-1518, December 2012, IF: 0.917, SRI: 0.54839
- Cristian Andy TANASE, Vasile Gheorghita GAITAN Threads Pipelining on the CellBE systems - Advances in Electrical and Computer Engineering, Volume: 13 Issue: 3 Pages: 121-126 Published: 2013 – ISSN 1582-7445, IF- 0.555

BDI Papers

 Cristian Andy Tanase, Stefan Gheorghe Pentiuc, Adrian Graur - ON-CHIP NETWORK OF INTELLIGENT SENSORS FOR CONTROLLING A MOBILE ROBOT IN AN ENVIRONMENT WITH OBSTACLES- The Ninth International Conference on Multimodal Interfaces (ICMI 2007) November 12-15, 2007-Nagoya, Japan, ISSB/ISBN: ACM 978-1-59593-869-5, pp: 51-54

Books

- 1. Andy Tănase, Vasile Găitan Family of Processors for the Digital Signal Processing. Editura Matrix, București 2002. ISBN 973-685-356-X
- Vasile Gheorghiţă Găitan, Valentin Popa, Andy Cristian Tănase Local Industrial Network Architecture. Editura Matrix, Bucureşti 2004. ISBN 973-685-849-9
- Andy Cristian Tănase –Digital Signal Processing Systems Programming. Editura Universităţii Ştefan cel Mare Suceava 2010. ISBN 978-973-666-331-4

Conferences

- Radu-Daniel VATAVU, Cristian Andy TĂNASE, Ştefan-Gheorghe PENTIUC, and Adrian GRAUR - Tracking Users around Tabletops - Volumul SISTEME DISTRIBUITE, Editura Universităţii din Suceava - Decembrie 2008
- Cristian Andy Tanase, Adrian Graur, Andrei Leonte, Dorin Palanciuc, George Holca – Autonomous system for searching and eliminating fire sources, ADVANCED IN ELECTRICAL AND COMPUTER ENGINEERING – Anul 2005. Nr.1 – Secţiunea Electrică. PP 96-100, ISSN 1582-7445
- 3. Cristian Andy Tanase, Stefan Gheorghe Pentiuc, Adrian Graur ON-CHIP NETWORK OF INTELLIGENT SENSORS FOR CONTROLLING A MOBILE ROBOT IN AN ENVIRONMENT WITH OBSTACLES- The Ninth International Conference on Multimodal Interfaces (ICMI 2007) November 12-15, 2007-Nagoya, Japan
- Cristian Andy Tănase, Aurel Chirap Controlling a Mobile Robot in Indoor Environment with On-Chip Network of Intelligent Sensors - International Conference on Development and Application Systems 2008
- Cristian Andy Tanase, Vasile Gheorghita Gaitan The determination of a balancing algorithm for architectures based on asymmetrical Cell BE processors -The 3rd World Conference on Information Technology (WCIT-2012), Barcelona, Spain. 15-Noiembrie 2012
- Tanase, Cristian Andy An approach of MPRA technique over ARM cache architecture - 13th International Conference on Development and Application Systems (DAS) Suceava, ROMANIA, Pages: 86-90, 2016

PNCDI

1. DATA ACQUISITION SYSTEM USING WIRELESS TYPE FREQUENCY 2.4 GHZ FOR EXTENSIVE AREAS – RELANSIN –PNCDI (2004) – Research engineer

Projects



- 2. INTEGRATION OF RFID INNOVATIVE APPLICATIONS IN A WEB B2B PLATFORM FORM FOR ENTERPRISE SUPLYES NETWORKS - RASMEN (2005-2008) - Research engineer
- 3. INTEGRATED MANAGEMENT OF INFORMATION AND PROCESSES AT ENTERPRISE LEVEL BASED ON PASIVE TRANSPONDERS (2006-2009) -Research engineer
- 4. GESTURES INTERACTION OF INFORMATION SYSTEMS AND ROBOTICS INTEROB (2006-2009) Research engineer
- 5. SYSTEM FOR CUSTÓMIZED THRAPY DISORDERS OF SPEECH LANGUAGE - TERAPERS (2006-2009) - Research engineer
- 6. DEVICES WITH METASTRUCTURES FOR COMPLEX PROCESSING OF RADIO SIGNALS IN SATELITE AND MOBILE COMUNICATIONS NETWORKS – METAPRO (2006-2009) - RESEARCH ENGINEER
- 7. CONTRIBUTIONS TO DEVELOPMENT OF COMPUTER AIDED DESIGN TECHIQUES OF INTEGRATED STRUCTURES – CNCSIS (2007-2008) - Project Manager
- 8. GRID APPLICATION DEVELOPMENT OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE DISTRIBUTED GRIDNORD (2007-2010) Research engineer
- 9. METROPOLITAN HETEROGENEOUS SYSTEM FOR DATA MONITORING OF SPECIFIC UTILITIES CONSUMPTION (2007-2010) - Research engineer

Alte proiecte

- 1. CC ENGINE CONTROL USING A SURVEY SYSTEM BUILT ON A UP ADSP-2181 - ISEP PORTO, PORTUGAL, TEMPUS FRAMEWORK – 1996
- 2. VOCAL RECOGNITION SYSTEM USING MATLAB DEVELOPING TOOLS UNIVERSITY OF CATANIA ITALY -1997
- 3. INTERNET PROGRAMMING USING PHP LANGUAGE AND MYSQL DATABASE UNIVERSITY OF LIMERICK IRELAND -1998
- 4. VOCAL COMMAND OF AN ADSP-2181 EZ-LAB SYSTEM THEME OF THE HARD&SOFT INTERNATIONAL CONTEST, 5TH EDITION, ORGANISED BY THE ELECTRICAL ENGINEERING FACULTY -1998
- 5. FINAL THESIS WITH THE THEME "CC ENGINE CONTROL USING A MMC-330 SYSTEM ON AN ADSP-2171 ARCHITECTURE – 1998
- 6. AC TIMER 500 SERIES BENEFICIARY: ADVANCED CONTRACT ELECTRONICS S.R.L. (FONTANE ACM GROUP GERMANY)
- 7. 433 MHZ DIGITAL BABYGUARD PART B. BENEFICIARY: ADVANCED CONTRACT ELECTRONICS S.R.L. (FONTANE ACM GROUP GERMANY)
- 8. VITERBI CO-DEC SYSTEM FOR AN EZ KIT ADSP-2189 BENEFICIARY: ISRATECH S.R.L. SUCEAVA 2002
- 9. SOFTWARE DEVELOPING TOOLS (ASSEMBLER / LINKER) FOR UC PIC 16C54 BENEFICIARY: ISRATECH S.R.L. SUCEAVA 2002
- 10. LCD EQUIPMENT FOR RECORDING AND STORAGE OF QUANTITIES OF PROCESS BENEFICIARY: CAOM S.A. PASCANI 2004
- 11. RESEARCH ON DEVELOPING A SOFTWARE TOOL DEDICATED TO THE DESIGN OF GAS PIPELINES OF LOW PRESSURE BENEFICIARY: S.C. INVEST S.R.L. 2005
- 12. BASILISK, KAVERI, AMUR PROJECTS BENEFICIARY: AMD INC. USA 2014

Honours and awards

1. VATAVU RADU-DANIEL, TANASE ANDY-CRISTIAN, PENTIUC STEFAN-GHEORGHE, GRAUR ADRIAN (2009), OUTCOMES RESEARCH AWARD -CNCSIS - PREMIEREA REZULTATELOR, CNCSIS-CONSILIUL NATIONAL AL CERCETARII STIINTIFICE DIN INVATAMANTUL SUPERIOR



ISI Citations

 Intensive computing on a large data volume with a short-vector single instruction multiple data processor, Ungurean, Ioan; Gaitan, Vasile-Gheorghita; Gaitan, Nicoleta-Cristina, IET COMPUTERS AND DIGITAL TECHNIQUES Volume: 8 Issue: 5 Pages: 219-228 Published: SEP 2014 Cited paper:

Threads Pipelining on the CellBE Systems, Tanase, Cristian Andy; Gaitan, Vasile Gheorghita, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 13, Issue: 3, Pages: 121-126, Published: 2013

- RCSoS: An IEC 61508 Compatible Server Model for Reliable Communication, Zhou, Rui; Chen, Xiaolong; Chen, Huaming; et al., JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY, Volume: 80, Issue: 3, Pages: 323-337, Published: SEP 2015
- 3. Intensive computing on a large data volume with a short-vector single instruction multiple data processor, Ungurean, Ioan; Gaitan, Vasile-Gheorghita; Gaitan, Nicoleta-Cristina, IET COMPUTERS AND DIGITAL TECHNIQUES, Volume: 8, Issue: 5, Pages: 219-228, Published: SEP 2014
- 4. A Server Model for Reliable Communication on Cell/BE, Zhou, Rui; Chen, Huaming; Liu, Qun; et al., Book Group Author(s): IEEE Conference: 42nd Annual International Conference on Parallel Processing (ICPP) Location: Ecole Normale Superieure Lyon, Lyon, FRANCE Date: OCT 01-04, 2013 Sponsor(s): INRIA; LIP Lab; Univ Lyon, MILYON; IEEE Comp Soc 2013 42ND ANNUAL INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING (ICPP) Book Series:Proceedings of the International Conference on Parallel Processing Pages: 1020-1027 Published: 2013

Cited paper:

Dynamic, unbalanced distribution of tasks on a PS3 cluster system for double precision calculation, Tanase, Cristian Andy; Gaitan, Vasile Gheorghita, JOURNAL OF SUPERCOMPUTING, Volume: 62, Issue: 3, Pages: 1502-1518, Published: DEC 2012

- 5. Evaluating heuristics for tabletop user segmentation based on simultaneous interaction, Garcia-Sanjuan, Fernando; Jaen, Javier; Catala, Alejandro, EXPERT SYSTEMS WITH APPLICATIONS, Volume: 40, Issue: 14, Pages: 5578-5587, Published: OCT 15 2013
- Presence bubbles: supporting and enhancing human-human interaction with ambient media, Vatavu, Radu-Daniel, MULTIMEDIA TOOLS AND APPLICATIONS, Volume: 58, Issue: 2, Pages: 371-383, Published:MAY 2012 Cited paper:
 Detecting and Tracking Multiple Users in the Proximity of Interactive

Detecting and Tracking Multiple Users in the Proximity of Interactive Tabletops, Tanase, Cristian Andy; Vatavu, Radu-Daniel; Pentiuc, Stefan-Gheorghe; Graur Adrian, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 8, Issue: 2, Pages: 61-64, Published: 2008