

Lista de lucrări

șef. lucrări dr. ing. Cristian Andy TĂNASE

1. Lista celor mai relevante lucrări științifice

- 1) Detecting and Tracking Multiple Users in the Proximity of Interactive Tabletops - *Tanase, Cristian Andy; Vatavu, Radu-Daniel; Pentiu, Stefan-Gheorghe; Graur, A* - ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 8, Issue: 2, Pages: 61-64, Published: 2008, IF2019 – **1.102**
- 2) Autonomous Mobile Device Controlled by On-chip Network of Intelligent Sensors for Indoor Environment Navigation - *Tanase, Cr. A.; Graur, A.; Gaitan, V. G.; Popa, V* - ELEKTRONIKA IR ELEKTROTEHNIKA, Issue: 5, Pages: 77-82, Published: 2009, IF2019 – **0.707**
- 3) 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, IF2019 – **2.469, Q2**
- 4) 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, IF2019 – **1.102**
- 5) An approach of MPRA technique over ARM cache architecture - *Tanase, Cristian Andy* - 13th International Conference on Development and Application Systems (DAS), Suceava, ROMANIA, Date: MAY 19-21, 2016, Sponsor(s): Stefan cel Mare Univ Suceava, Fac Elect Engrn & Comp Sci Romania; IEEE Ind Applicat Soc, Romania Sect 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016), Pages: 86-90, Published: 2016
- 6) Hardware Real-time Event Management with Support of RISC-V Architecture for FPGA-Based Reconfigurable Embedded Systems - *Zagan, Ionel; Tanase, Cristian Andy; Gaitan, Vasile Gheorghita* - ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 20, Issue: 1, Pages: 63-70, Published: FEB 2020, IF2019 – **1.102**
- 7) Dynamic scheduler implementation used for load distribution between hardware accelerators (RTL) and software tasks (CPU) in heterogeneous systems - *Tanase, Cristian Andy* - JOURNAL OF SUPERCOMPUTING, Volume: 76, Issue: 12, Pages: 10122-10139, Published: DEC 2020, IF2019 – **2.469, Q2**
- 8) Reducing Energy Consumption in Microcontroller-based Systems with Multipipeline Architecture - *Tanase, Cristian Andy* - INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, Volume: 11, Issue: 12, Pages: 16, Published: DEC 2020

2. Teza de doctorat

- 1) Contribuții la dezvoltarea tehnicilor de proiectare asistată a structurilor integrate, coord. Prof. Univ. Dr. ing. Adrian GRAUR, Universitatea "Ștefan cel Mare" din Suceava.

3. Cărți și capitole în cărți

- 1) *Andy Tănase, Vasile Găitan* - Familia de Procesoare pentru Prelucrarea Numerică a Semnalelor ADSP-21xx. Editura Matrix, București 2002. ISBN 973-685-356-X
- 2) *Vasile Gheorghită Găitan, Valentin Popa, Andy Cristian Tănase* – Arhitectura Rețelelor Industriale Locale. Editura Matrix, București 2004. ISBN 973-685-849-9
- 3) *Andy Cristian Tănase* – Programarea Sistemelor de Prelucrare Numerică a Semnalelor, Editura Universității Ștefan cel Mare Suceava 2010. ISBN 978-973-666-331-4
- 4) *Andy Cristian Tănase, Cătălin Marian Sîicu* – Prelucrarea Numerică a Semnalelor, Îndrumar de laborator, Editura Universității Suceava, 2004

4. Articole în extenso publicate în reviste din fluxul științific internațional



- 1) Detecting and Tracking Multiple Users in the Proximity of Interactive Tabletops - *Tanase, Cristian Andy; Vatavu, Radu-Daniel; Pentiu, Stefan-Gheorghe; Graur, A* - ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 8, Issue: 2, Pages: 61-64, Published: 2008, IF2019 – **1.102**
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- 4) 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, IF2019 – **1.102**
- 5) An approach of MPRA technique over ARM cache architecture - *Tanase, Cristian Andy* - 13th International Conference on Development and Application Systems (DAS), Suceava, ROMANIA, Date: MAY 19-21, 2016, Sponsor(s): Stefan cel Mare Univ Suceava, Fac Elect Engr & Comp Sci Romania; IEEE Ind Applicat Soc, Romania Sect 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016), Pages: 86-90, Published: 2016
- 6) Hardware Real-time Event Management with Support of RISC-V Architecture for FPGA-Based Reconfigurable Embedded Systems - *Zagan, Ionel; Tanase, Cristian Andy; Gaitan, Vasile Gheorghita* - ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 20, Issue: 1, Pages: 63-70, Published: FEB 2020, IF2019 – **1.102**
- 7) Dynamic scheduler implementation used for load distribution between hardware accelerators (RTL) and software tasks (CPU) in heterogeneous systems - *Tanase, Cristian Andy* - JOURNAL OF SUPERCOMPUTING, Volume: 76, Issue: 12, Pages: 10122-10139, Published: DEC 2020, IF2019 – **2.469, Q2**
- 8) Reducing Energy Consumption in Microcontroller-based Systems with Multipipeline Architecture - *Tanase, Cristian Andy* - INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, Volume: 11, Issue: 12, Pages: 16, Published: DEC 2020

5. Articole în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

- 1) An approach of MPRA technique over ARM cache architecture - *Tanase, Cristian Andy* - 13th International Conference on Development and Application Systems (DAS), Suceava, ROMANIA, Date: MAY 19-21, 2016, Sponsor(s): Stefan cel Mare Univ Suceava, Fac Elect Engr & Comp Sci Romania; IEEE Ind Applicat Soc, Romania Sect 2016 13TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS 2016), Pages: 86-90, Published: 2016
- 2) On-chip network of intelligent sensors for controlling a mobile robot in an environment with obstacles - *Cristian Andy Tanase, Stefan Gheorghe Pentiu, Adrian Graur* - 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