

## Publications

Nikolaos Voros  
Associate Professor

Total publications: **118**

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### 2019 (1)

- Christos P. Antonopoulos, Konstantinos Antonopoulos, Christos Panagiotou, Nikolaos S. Voros, *Tackling Critical Challenges towards Efficient CyberPhysical Components & Services Interconnection: The ATLAS CPS Platform Approach*, **Journal of Signal Processing Systems**, Online article available at: <https://rdcu.be/bfrvl>, Springer, 2019

### 2018 (14)

- Andreas Emeretlis, George Theodoridis, Panayiotis Alefragis and Nikolaos Voros, *Static Mapping of Applications on Heterogeneous Multi-Core Platforms Combining Logic-Based Benders Decomposition with Integer Linear Programming*, **ACM Transactions on Design Automation of Electronic Systems**, ACM, 2018
- Konstantinos Christopoulos, Alexandros Raptis, Christos Antonopoulos, Theofanis Orfanoudakis, Nikolaos Voros, *A Scalable Approach to Efficient House Power Consumption and CO2 Management Through Fuzzy Logic*, **19th IEEE International Conference on Industrial Technology**, February 20th - 22nd, Lyon, France, 2018
- Christos Antonopoulos, Gerasimos Touliatos, Nikolaos Voros, Stavros Koubias, *Enhanced WSN Simulation Accuracy Through Novel Hardware in the Loop Approach*, **19th IEEE International Conference on Industrial Technology**, February 20th - 22nd, Lyon, France, 2018
- Umut Durak, Jurgen Becker, Sven Hartmann, Nikolaos S. Voros, *Advances in Aeronautical Informatics: Technologies Towards Flight 4.0*, Springer, 2018
- Panayiotis Alefragis, George Theodoridis, Merkourios Katsimpris, Christos Valouxis, Christos Gogos, George Goulas, Nikolaos S. Voros, *Mapping and scheduling hard real-time applications on multicore systems - The ARGO approach*, **14th International Symposium on Applied Reconfigurable Computing**, 700 - 711, May 2nd - 4th, Santorini Island, Greece, 2018
- Christos Antonopoulos, Georgios Keramidas, Nikolaos S. Voros, *Robots in assisted living environments as an unobtrusive, efficient, reliable and modular solution for independent ageing: The RADIO Experience*, **14th International Symposium on Applied Reconfigurable Computing**, 712 - 723, May 2nd - 4th, Santorini Island, Greece, 2018

- Ch. P. Antonopoulos, K. Antonopoulos, Ch. Panagiotou, N. S. Voros, *Tackling Wireless Sensor Network Heterogeneity Through Novel Reconfigurable Gateway Approach*, **14th International Symposium on Applied Reconfigurable Computing**, 269 - 280, May 2nd - 4th, Santorini Island, Greece, 2018
- Nikolaos Voros, Michael Huebner, Georgios Keramidas, Diana Goehringer, Christos Antonopoulos, Pedro C. Diniz, *Applied Reconfigurable Computing: Architectures, Tools, and Applications*, Springer, 2018
- Vaggelis Karkaletsis, Stasinios Konstantopoulos, Nikolaos Voros, Roberta Annicchiarico, Maria Dagioglou, Christos Antonopoulos, *RADIO - Robots in Assisted Living: Unobtrusive, Efficient, Reliable and Modular Solutions for Independent Ageing*, Springer, 2018
- Alexandros Spournias, Konstantinos Christopoulos, Kostas Antonopoulos, Christos Panagiotou, Christos Antonopoulos, Theofanis Orfanoudakis, Nikolaos Voros, *Experimental Evaluation of a Novel Personal Assistant in Greek Language for Ambient Assisted Living Environments employing home robots*, **IEEE South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference**, September 22nd - 24th, Kastoria, Greece, 2018
- Vangelis Karkaletsis, Stasinios Konstantopoulos, Nikolaos S. Voros, *Introduction to the RADIO Project*, **RADIO -- Robots in Assisted Living**, 1 - 4, Springer, 2018
- Christos P. Antonopoulos, Christos Panagiotou, Konstantinos Antonopoulos, Alexandros Spournias, Nikolaos Voros, Fynn Schwiegelshohn, Philipp Wehner, Michael Huebner, Diana Göhringer, Raquel Ventura, Alberto Fernández, Georgios Stavrinou, Evangelinos Mariatos, *Integrating Robots and WSN: communications and interfacing aspects*, **RADIO -- Robots in Assisted Living**, 47 - 82, Springer, 2018
- Georgios Keramidas, Christos Antonopoulos, Nikolaos S. Voros, Fynn Schwiegelshohn, Philipp Wehner, Michael Huebner, Diana Göhringer, Evangelinos Mariatos, *Accelerating AAL Home Services using Embedded Hardware Components*, **RADIO -- Robots in Assisted Living**, 91 - 112, Springer, 2018
- Maria Rigou, Spiros Sirmakessis, Raquel Ventura, Alberto Fernández, Christos P. Antonopoulos, Nikolaos Voros, *Designing User Interfaces for Elderly*, **RADIO -- Robots in Assisted Living**, 113 - 148, Springer, 2018

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- Steven Derrien, Isabelle Puaut, Panayiotis Alefragis, Marcus Bednara, Harald Bucher, Clément David, Yann Debray, Umut Durak, Imen Fassi, Christian Ferdinand, Damien Hardy, Angeliki Kritikakou, Gerard Rauwerda, Simon Reder, Martin Sicks, Timo Stripf, Kim Sunesen, Timon ter Braak, Nikolaos Voros and Jürgen Becker, *WCET-Aware Parallelization of Model-Based Applications for Multicores: the ARGO Approach*, **Conference on Design, Automation and Test in Europe (DATE)**, March 27th - 31st, Lausanne, Switzerland, 2017
- Vasilios Kelefouras, Georgios Keramidas, Nikolaos Voros, *Cache partitioning + loop tiling: A methodology for effective shared cache management*, **IEEE Computer Society Annual Symposium on VLSI**, July 3rd - 5th, Bochum, Germany, 2017
- Georgios Keramidas, Nikolaos Voros, Christos Antonopoulos, Fynn Schwiegelshohn, Philipp Wehner, Diana Göhringer, Evangelinos Mariatos, *Profile-driven Power Optimizations for AAL Robots: Maximizing Robots Idle Time by Offloading Monitoring Workload to Dedicated Hardware Components*, **IEEE Computer Society Annual Symposium on VLSI**, July 3rd

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- Alexandros Spournias, Theodore Skandamis, Christos P. Antonopoulos, Nikolaos S. Voros, *Door Detection Algorithm Development Based on Robotic Vision and Experimental Evaluation on Prominent Embedded Systems*, **19th International Conference on Speech and Computer (SPECOM 2017)**, September 12th -16th, Hertfordshire, United Kingdom, 2017
- K. Antonopoulos, Ch. Petropoulos, Ch. P. Antonopoulos, N. S. Voros, *Security Necessity and its Impact on Smart Cities Wireless Sensor Networks*, **IEEE South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference**, September 23rd - 25th, Kastoria, Greece, 2017
- Christos P. Antonopoulos, Nikolaos S. Voros, *A Data Compression Hardware Accelerator Enabling Long Term Biosignal Monitoring based on Ultra Low Power IoT Platforms*, **Electronics 2017**, 6(3), 54, MDPI AG, 2017
- Andreas Emeretlis, George Theodoridis, Panayiotis Alefragis and Nikolaos Voros, *Exploration of Logic-Based Benders Decomposition Approach for Mapping Applications on Heterogeneous Multi-Core Platforms*, **Multi-disciplinary scheduling International Conference (MISTA 2017)**, December 5th - 8th, Kuala Lumpur, Malaysia, 2017

## 2016 (14)

- Andreas Emeretlis, George Theodoridis, Panayiotis Alefragis, Nikolaos Voros, *Improvements of a hybrid ILP-CP Benders decomposition for mapping and scheduling task DAGs on heterogeneous architectures*, **Proceedings of 11th Practice and Theory of Automated Timetabling (PATAT 2016)**, August 23th - 26th, Udine, Italy, 2016
- Christos Valouxis, Christos Gogos, Panayiotis Alefragis, George Goulas, Nikolaos Voros, Efthymios Housos, *Scheduling Independent Tasks on Heterogeneous Processors using Heuristics and Column Pricing*, **Future Generation Computer Systems, The International Journal of eScience**, Elsevier, 2016
- Evangelinos Mariatos, Christos P. Antonopoulos, Nikolaos S. Voros, *EEG Feature Extraction Accelerator Enabling Long Term Epilepsy Monitoring based on Ultra Low Power WSNs*, **12th International Symposium on Applied Reconfigurable Computing (ARC)**, March 22nd - 4th, Mangaratiba, Rio de Janeiro, Brazil, Springer, 2016
- Christos P. Antonopoulos, Nikolaos S. Voros, *Resource Efficient Data Compression Algorithms for Demanding, WSN based Biomedical Applications*, **Journal of Biomedical Informatics**, Volume 59, pp. 1-14, Elsevier, 2016
- Georgios Keramidas, Christos Antonopoulos, Nikolaos S. Voros, Fynn Schwiegelshohn, Philipp Wehner, Jens Rettkowski, Diana Göhringer, Michael Hübner, Stasinios Konstantopoulos, Theodore Giannakopoulos, Vangelis Karkaletsis and Vaggelis Mariatos, *Computation and Communication Challenges to Deploy Robots in Assisted Living Environments*, **Conference on Design, Automation and Test in Europe (DATE)**, March 14st - 16th, Dresden, Germany, 2016
- Andreas Emeretlis, George Theodoridis, Panayiotis Alefragis, Nikolaos Voros, *A Logic-Benders Decomposition Approach for Mapping Applications on Heterogeneous Multicore Platforms*, **ACM Transactions on Embedding Computing Systems**, Volume 15 Issue 1, Article No. 19, ACM, 2016
- Christos Antonopoulos, Nikolaos Voros, Konstantinos Antonopoulos, Christos Petropoulos,

George Krikis, *On Security Provision in Demanding Cyberphysical Bluetooth based Systems*, **Proceedings of IEEE South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (IEEE SEEDA-CECNSM 2016)**, September 25th - 27th, Kastoria, Greece, 2016

- A. Emeretlis, G. Theodoridis, P. Alefragis, N. Voros, *A Hybrid Approach for Mapping and Scheduling on Heterogeneous Multicore Systems*, **4th Workshop on Virtual Prototyping of Parallel and Embedded Systems (ViPES 2016)**, July 17th, Samos Island, Greece, 2016
- Apostolos Fournaris, Georgios Keramidas, Kyriakos Ispoglou and Nikolaos Voros, *VirISA: Recruiting Virtualization and Reconfigurable Processor ISA for Malicious Code Injection Protection*, **Components and Services for IoT Platforms: Paving the Way for IoT Standards**, 119-132, Springer, 2016
- Christos Panagiotou, Christos Antonopoulos, Georgios Keramidas, Nikolaos Voros and Michael Hübner, *IoT in Ambient Assisted Living Environments: A View from Europe*, **Components and Services for IoT Platforms: Paving the Way for IoT Standards**, 281-298, Springer, 2016
- Konstantinos Christopoulos, Christos Antonopoulos, Nikolaos Voros and Theofanis Orphanoudakis, *Building Automation Systems in the World of Internet of Things*, **Components and Services for IoT Platforms: Paving the Way for IoT Standards**, 355-375, Springer, 2016
- Georgios Keramidas, Nikolaos Voros, Michael Hübner, *Components and Services for IoT Platforms: Paving the Way for IoT Standards*, , Springer, 2016
- Kostantinos Christopoulos, Alexandros Spournias, Theofanis Orfanoudakis, Christos Antonopoulos, Nikolaos Voros, *Designing the Next Generation of Home Automation Combining IoT and Robotic Technologies*, **20th Panhellenic Confernece on Informatics**, November 10th □ 12th, Patra, Greece, 2016
- Umut Durak, David Müller, Jürgen Becker, Nikolaos S. Voros, Panayiotis Alefragis, Timo Stripf, Pierre?Aimé Agnel, Gerard Rauwerda, Kim Sunesen, *Model-based Development of Enhanced Ground Proximity Warning System for Heterogeneous Multicore Architectures*, **23rd Symposium on Simulation Techniques (ASIM 2016), Special Interest Track Modelling and Simulation in Aviation**, September 7th - 9th, Dresden, Germany, 2016

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- Fynn Schwiegelshohn, Philipp Wehner, Jens Rettkowski, Diana Göhringer, Michael Hübner. Georgios Keramidas, Christos Antonopoulos, Nikolaos S. Voros, *A Holistic Approach for Advancing Robots in Ambient Assisted Living Environments*, **Proceedings of 13th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC 2015)**, pp. 140 - 147, October 21st □ 23th, Porto, Portugal, 2015
- Nikolaos S. Voros, Christos Antonopoulos, *Cyberphysical Systems for Epilepsy and Related Brain Disorders: Multi-parametric Monitoring and Analysis for Diagnosis and Optimal Disease Management*, , Springer, 2015
- Christos Antonopoulos, Georgios Keramidas, Nikolaos S. Voros, Michael Huebner, Diana Goehringer, Maria Dagioglou, Theodore Giannakopoulos, Stasinou Konstantopoulos, Vangelis Karkaletsis, *Robots in assisted living environments as an unobtrusive, efficient, reliable and modular solution for independent ageing: The RADIO perspective*, **Proceedings of 11th International Symposium on Applied Reconfigurable Computing (ARC 2015)**, April

13th – 17th, Bochum, Germany, Springer Springer LNCS 9040, pp. 535 - 546, 2015

- Ch. P. Antonopoulos, Th. Panagiotakopoulos, Ch. Panagiotou, G. Touliatos, S. Koubias, Achilles Kameas and Nikolaos S. Voros, *On Developing a Novel Versatile Framework for Heterogeneous Home Monitoring WSN networks*, **EAI Endorsed Transactions on Pervasive Health and Technology**, Volume 01, Issue 1, e4 (open access), ICST, 2015
- A. Emeretlis, G. Theodoridis, P. Alefragis, N. S. Voros, *Mapping DAGs on Heterogeneous Platform using Logic-Based Benders Decomposition*, **Proceedings of IEEE Annual Symposium on ISVLSI**, pp. 119 - 124, July 8th – 10th, Montpellier, France, 2015
- Nikolaos S. Voros, Christos Antonopoulos, Michalis Koutroumanidis, George K. Kostopoulos, Andreas Ioannidis, *Introduction to ARMOR Project*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 1-10, Springer, 2015
- Nikolaos S. Voros, Christos Antonopoulos, *Data Management Processes*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 111-126, Springer, 2015
- Stefan Hey, Panagiota Anastasopoulou, André Bideaux, Christos Antonopoulos, Nikolaos S. Voros, Alberto Fernandez, Vasilis Megalookonomou, Arthur Krukowski, *System Architecture*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 127-136, Springer, 2015
- Stefan Hey, Panagiota Anastasopoulou, André Bideaux, Christos Antonopoulos, Nikolaos S. Voros, Marc Richardson, *Mobile Sensors for multiparametric monitoring in epileptic patients*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 127-162, Springer, 2015
- Christos Antonopoulos, Nikolaos S. Voros, *Secure and Efficient WSN Communication infrastructure*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 163-188, Springer, 2015
- André Bideaux, Stefan Hey, Panagiota Anastasopoulou, Alberto Fernandez, Christos Antonopoulos, Nikolaos S. Voros, *System Middleware*, **Cyberphysical Systems for Epilepsy and Related Brain Disorders**, 189-204, Springer, 2015

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- Juergen Becker, Thomas Bruckschloegl, Oliver Oey, Timo Stripf, George Goulas, Nick Raptis, Christos Valouxis, Panayiotis Alefragis, Nikolaos S. Voros, Christos Gogos, *Profile Guided Compilation of Scilab Algorithms for Multiprocessor Systems*, **Reconfigurable Computing: Architectures, Tools, and Applications 10th International Symposium on Applied Reconfigurable Computing (ARC 2014)**, pp. 330-336, Vilamoura, Algarve, April 14th – 16th, Portugal, Springer, Lecture Notes in Computer Science, 2014
- T. Panagiotakopoulos, C. Antonopoulos, G. Koutalieris, P. Kalantzis, C. Theodoropoulos, G. Koumanakos, A. Kameas, N. Voros, S. Koubias, *ADVENT: A System Architecture for Advanced Monitoring of Elders with Chronic Conditions*, **Proceedings of the 7th International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2014)**, Rhodes, May 27th - 30th, Greece, 2014
- Andreas Emeretlis, George Theodoridis, Panayiotis Alefragis, Nikolaos Voros, *A hybrid ILP-CP model for mapping Directed Acyclic Task Graphs to multicore architectures*, **Proceedings of the 28th IEEE International Parallel & Distributed Processing Symposium (IPDPSW 2014)**, Phoenix, Arizona, May 19th – 23th, USA, 2014

- Oliver Oey, Michael Rueckauer, Timo Stripf, Jurgen Becker, George Goulas, Panayiotis Alefragis, Nikolaos Voros, Ali El Moussawi, Steven Derrien, *From Scilab To High Performance Embedded Multicore Systems - The ALMA Approach*, **Proceedings of 16th ACM Software and Compilers for Embedded Systems (SCOPES) Workshop, June 10th – 11th, Schloss Rheinfels, St. Goar, Germany**, June 10th – 11th, Schloss Rheinfels, St. Goar, Germany, 2014
- Panayiotis Alefragis, Christos Gogos, Christos Valouxis, George Goulas, Nikolaos Voros, Efthymios Housos,, *Assigning and Scheduling Hierarchical Task Graphs to Heterogenous Resources*, **Proceedings of 10th Practice and Theory of Automated Timetabling (PATAT 2014)**, August 26th – 29th, York, United Kingdom, 2014
- Christos Antonopoulos, Konstantinos Antonopoulos, Christos Petropoulos, Nikolaos S. Voros, *Experimental Evaluation of Bluetooth Real Time Capabilities in Communication Intensive Applications*, **Proceedings of 4th International Conference on Wireless Mobile Communication and Healthcare (MOBIHEALTH 2014)**, November 3th – 5th, Athens, Greece, 2014
- Christos P. Antonopoulos, Nikolaos S. Voros, André Bideaux, Panagiota Anastasopoulou, Stefan Hey, Wilhelm Stork, *Advanced multi-parametric Monitoring and analysis for diagnosis and Optimal management of epilepsy and Related brain disorders: The ARMOR Project*, **IST Projects - The quest for excellence towards 2020**, 34-55, SCITEPRESS, 2014
- Ch. P. Antonopoulos, G. Touliatos, Ch. Panagiotou, Th. Panagiotakopoulos, S. Koubias, Achilles Kameas, Nikolaos S. Voros, *A Framework for Heterogeneous Home Monitoring WSN Networks*, **Proceedings of 4th International Conference on Wireless Mobile Communication and Healthcare (MOBIHEALTH 2014)**, November 3th – 5th, Athens, Greece, 2014
- Christos Antonopoulos, Konstantinos Antonopoulos, Christos Petropoulos, Nikolaos S. Voros, *Experimental Evaluation of Bluetooth Real Time Capabilities in Communication Intensive Applications*, **Proceedings of 4th International Conference on Wireless Mobile Communication and Healthcare (MOBIHEALTH 2014)**, November 3th – 5th, Athens, Greece, 2014

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- Nikolaos S. Voros et al, *MORPHEUS: An heterogeneous dynamically reconfigurable platform for designing highly complex embedded systems*, **ACM Transactions on Embedded Computing Systems**, Vol. 12, No. 3, Article 70, 2013
- George Goulas, Christos Valouxis, Panayiotis Alefragis, Nikolaos S. Voros, Christos Gogos, Oliver Oey, Timo Stripf, Thomas Bruckschloegl, Juergen Becker, *Coarse-grain Optimization and Code Generation for Embedded Multicore Systems*, **Proceedings of 16th Euromicro Conference on Digital System Design (DSD 2013)**, September 4 - 6, Santander, Spain, 2013
- George Goulas, Christos Gogos, Christos Valouxis, Panayiotis Alefragis and Nikolaos Voros, *Coarse grained parallelism optimization for multicore architectures: The ALMA project approach*, **9th International Symposium on Applied Reconfigurable Computing**, P. Brisk, J.G. de Figueiredo Coutinho, P.C. Diniz (Eds.): ARC 2013, LNCS 7806, pp. 235–236, March 25th - 27th, Los Angeles, United States, Springer-Verlag Berlin Heidelberg, 2013
- Ch. Antonopoulos, G. Krikis, N. Voros, *Efficient Hardware Based Security Algorithm Implementation for WSN Medical Applications: The ARMOR Perspective*, **9th International Symposium on Applied Reconfigurable Computing**, P. Brisk, J.G. de Figueiredo

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- George Krikis, Christos P. Antonopoulos, Nikolaos S. Voros, *Design and Implementation of Efficient Reconfigurable Cipher Algorithms for Wireless Sensor Networks*, **11th IEEE International Conference on Industrial Informatics**, July 29th - 31st, Bochum, Germany, 2013
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- Timo Stripf, Oliver Oey, Thomas Bruckschloegl, Juergen Becker, Gerard Rauwerda, Kim Sunesen, George Goulas, Panayiotis Alefragis, Nikolaos S. Voros, Steven Derrien, Olivier Sentieys, Nikolaos Kavvadias, Grigoris Dimitroulakos, Kostas Masselos, Dimitrios Kritharidis, Nikolaos Mitas, Thomas Perschke, *Compiling Scilab To High Performance Embedded Multicore Systems*, **Journal of Microprocessors and Microsystems**, Elsevier, 2013
- Paris Kitsos, Nikolaos S. Voros, Athanassios N. Skodras, Tasos Dagiuklas, *A High Speed FPGA Implementation of the 2D DCT for Ultra High Definition Video Coding*, **Proceedings of 18th International Conference on Digital Signal Processing**, July 1st – 3rd, Santorini, Greece, 2013
- Christos Valouxis, Christos Gkogkos, Panayiotis Alefragis, George Goulas, Nikolaos Voros, Efthymios Housos, *DAG Scheduling using Integer Programming in heterogeneous parallel execution environments*, **Proceedings of 6th Multidisciplinary International Conference on Scheduling**, August 27th – 30rd, Ghent, Belgium, Belgium, 2013

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- Panagiota Anastasopoulou, Christos Antonopoulos, Hatem Shgir, George Krikis, Nikolaos S. Voros and Stefan Hey, *Mobile Multi-parametric Sensor System for Diagnosis of Epilepsy and Brain Related Disorders*, **Proceedings of 3rd International Conference on Wireless Mobile Communication and Healthcare**, November 21st – 23rd, Paris, France, 2012
- Timo Stripf, Oliver Oey, Thomas Bruckschloegl, Ralf Koenig, Juergen Becker, Jordy Potman, Kim Sunesen, George Goulas, Panayiotis Alefragis, Nikolaos S. Voros, Steven Derrien, Olivier Sentieys, *A Compilation- and Simulation-Oriented Architecture Description Language for Multicore Systems*, **Proceedings of 10th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing**, December 5th – 7th, Pafos, Cyprus, 2012
- Ch. P. Antonopoulos, Ch. Petropoulos, K. Antonopoulos, V. Triantafyllou, N. S. Voros, *The Effect of Symmetric Block Ciphers on WSN Performance and Behavior*, **Proceedings of 5th IEEE International Workshop on Selected Topics in Wireless and Mobile computing**, pp. 799-806, October 8th – 10th, Barcelona, Spain, 2012
- Stephanos-Markos Rigos, Vagelis Mariatos and Nikolaos S. Voros, *A Hardware Acceleration Unit for Face Detection: Evaluation of Design Options for Speeding-up Face Detection in Embedded Devices*, **Proceedings of Mediterranean Conference on Embedded Computing**, June 19th – 21st, Bar, Montenegro, 2012

- Timo Stripf, Oliver Oey, Juergen Becker, Gerard Rauwerda, Kim Sunesen, George Goulas, Panayiotis Alefragis, Nikolaos S. Voros, Diana Goehring, Michael Huebner, Steven Derrien, Daniel Menard, Olivier Sentieys, Nikolaos Kavvadias, Grigoris Dimitroulakos, Kostas Masselos, Dimitrios Kritharidis, Nikolaos Mitas, *A Flexible Approach for Compiling SciLab to Reconfigurable Multicore Embedded Systems*, **7th International Workshop on Reconfigurable Communication-centric Systems-on-Chip**, pp. 1 - 8, July 9th to 11th, York, United Kingdom, 2012
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- David Fuschelberger, Ioannis Pyrounakis, Tasos Dagiuklas, Nikolaos S. Voros, Carlos Ribeiro, *Next Generation Smart Home Systems using Hardware Acceleration Techniques*,



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- Georgia Kalogeridou, Nikolaos S. Voros, Konstantinos Masselos, *System Level Design of Complex Hardware Applications using ImpulseC*, **IEEE Annual Symposium on VLSI 2010 (ISVLSI 2010)**, pp. 473-474, July 5-7, Lixouri, Kefhalonia, IEEE Computer Society, 2010

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