NO.	Title	Main author	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers (if available)	Is/Will open access provided ?
International Conferences 2015										
C1	*ANTAREX - AutoTuning and Adaptivity appRoach for Energy Efficient eXascale HPC Systems*	Cristina Silvano, Giovanni Agosta, Andrea Bartolini, Andrea Beccari, Luca Benini, João M. P. Cardoso, Carlo Cavazzoni, Radim Cmar, Jan Martic, Gianluca Palermo, Martin Palkovic, Erven Rohou, Nico Sanna, and Katerina Slaninov	18th IEEE International Conference on Computational Science and Engineering	Annual	IEEE	IEEE Xplore	2015	343-346	DOI: 10.1109 /CSE.2015.58	https://hal.inria. fr/hal-01235713/docume nt
International Conferences 2016										
C2	*The ANTAREX Approach to Autotuning and Adaptivity for Energy Efficient HPC Systems*	Cristina Silvano, Giovanni Agosta, Stefano Cherubin, Davide Gadioli, Gianluca Palermo, Andrea Bartolini, Luca Benini, Jan Martinovic, Martin Palkovic, Katerina Slaninová, João Bispo, João M. P. Cardoso, Rui Abreu, Pedro Pinto, Carlo Cavazzoni, Nico Sanna, Andrea R. Beccari, Radim Cmar, Erven Rohou	Proceedings of the ACM International Conference on Computing Frontiers	Annual	ACM	ACM DL	2016	288-293	DOI 10.1145/2903150. 2903470	https://hal.archives-ouvertes.fr/hal-01341826/docume nt
C3	*Stochastic Analysis of Energy Consumption in Pool Depletion Systems*	D. Cerotti, M. Gribaudo, R. Pinciroli, G. Serazzi	Measurement, Modelling and Evaluation of Dependable Computer and Communication Systems - Lecture Notes in Computer Science	Vol. 9629	Springer	Springer Link	2016	25-39	DOI 10.1007/978-3-319-31559-1_4	No
C4	*AutoTuning and Adaptivity appRoach for Energy efficient eXascale HPC systems: the ANTAREX Approach*	Cristina Silvano, Giovanni Agosta, Andrea Bartolini, Andrea R. Beccari, Luca Benini, João Bispo, Radim Cmar, João M. P. Cardoso, Carlo Cavazzoni, Jan Martinovic, Gianluca Palermo, Martin Palkovic, Pedro Pinto, Erven ohou, Nico Sanna, and Katerina Slaninová	Design, Automation & Test in Europe Conference & Exhibition	Annual	IEEE	IEEE Xplore	2016	708-713	http://ieeexplore. ieee. org/document/7459 400/	https://hal.archives-ouvertes.fr/hal-01235741/docume nt
C5	*Evaluation of Synchronization Protocols for fine-grain HPC sensor data time-stamping and collection*	Antonio Libri, Andrea Bartolini, Michele Magno and Luca Benini	2016 International Conference on High Performance Computing & Simulation (HPCS)	Annual	IEEE	IEEE Xplore	2016	818-825	10.1109/HPCSim. 2016.7568419	No
C6	*Cooling-Aware Node-level Task Allocation for Next-Generation Green HPC Systems*	Francesco Benventi, Andrea Bartolini, Carlo Cavazzoni and Luca Benini	2016 International Conference on High Performance Computing & Simulation (HPCS)	Annual	IEEE	IEEE Xplore	2016	690-696	10.1109/HPCSim. 2016.7568402	No
International Conferences 2017										
C7	*LARA as a Language-Independent Aspect-Oriented Programming Approach*	Pedro Pinto, Tiago Carvalho, João Bispo and João MP Cardoso	32nd ACM/SIGAPP SAC Symposium on Applied Computing (SAC' 17)	32nd, Annual	ACM	ACM DL	2017	to appear	to appear	https://repositorio-aberto.up. pt/bitstream/10216/ 117181/2/225189. pdf
C8	*Expressing and Applying C++ Code Transformations for the HDF5 API Through a DSL*	Martin Golasowski, João Bispo, Jan Martinovic, Kateřina Slaninová, João MP Cardoso	16th International Conference on Computer Information Systems and Industrial Management Applications (CISIM 2017)	16th, Annual	Springer	LNCS	2017	303-314	10.1007/978-3-319-59105-6_26	https://repositorio-aberto.up. pt/bitstream/10216/ 117187/2/225187. pdf
C9	*Server-Side Navigation Service Benchmarking Tool*	Martin Golasowski, Kateřina Slaninová, Jiří Ševčík, Vít Ptošek, David Vojtek	14th International Symposium on operational research SOR 2017	14th, Annual	Springer	Springer Nature	2017	85-90	Abstract available on Scopus	http://dspace.vsb. cz/handle/10084/13 3448
C10	*Prediction horizon vs. efficiency of optimal dynamic thermal control policies in HPC nodes*	Daniele Cesarini, Andrea Bartolini, Luca Benini	IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC), 2017	25th, Annual	IFIP/IEEE	IFIP/IEEE	2017	to appear	10.1109/VLSI-SoC. 2017.8203471	https://ieeexplore. ieee. org/abstract/docum ent/8203471/

C11	*Continuous learning of HPC infrastructure models using big data analytics and in-memory processing tools*	Francesco Beneventi, Andrea Bartolini, Carlo Cavazzoni, Luca Benini	Design, Automation Test in Europe Conference Exhibition (DATE)	2017	IEEE	IEEE	2017		10.23919/DATE.2017.7927143	
International Conferences 2018										
C12	*Multinode Approach for Map Data Processing*	Vít Ptošek, Kateřina Slaninová	6th International Doctoral Symposium on Applied Computation and Security Systems ACSS 2018	6th, Annual	Springer Nature	AISC	2018	91-104	10.1007/978-981-13-3250-0_7	https://dspace.vsb.cz/handle/10084/133435
C13	*Vertex importance extension of betweenness centrality algorithm*	Jiří Hanzelka, Michal Běloch, Jan Martinovič, Kateřina Slaninová	2nd International Conference on Data Management, Analytics and Innovation, ICDMAI 2018	2nd, Annual	Springer Nature	AISC	2019	61-72	10.1007/978-981-13-3250-0_7	https://dspace.vsb.cz/handle/10084/133441
C14	*Exploitation of HPC Infrastructure Services for Real-Time Critical Small Requests*	Jiří Ševčík, Martin Golasowski, Jan Martinovič, David Vojtek, Jan Faltýnek	30th European Modeling and Simulation Symposium, EMSS 2018	30th, Annual	Dime University of Genoa	Elsevier	2018	218-225	Abstract available on Scopus	https://dspace.vsb.cz/handle/10084/133451
C15	*Real time traffic simulator for self-adaptive navigation system validation*	Vít Ptošek, Jiří Ševčík, Jan Martinovič, Kateřina Slaninová, Lukáš Rapant, Radim Cmar	30th European Modeling and Simulation Symposium, EMSS 2018	30th, Annual	Dime University of Genoa	Elsevier	2018	274-283	Abstract available on Scopus	https://dspace.vsb.cz/handle/10084/133452
C16	*The D.A.V.I.D.E. Big-data-powered Fine-grain Power and Performance Monitoring Support*	Andrea Bartolini, Andrea Borghesi, Antonio Libri, Francesco Beneventi, Daniele Gregori, Simone Tinti, Cosimo Gianfreda, Piero Altoè	Proceedings of the 15th ACM International Conference on Computing Frontiers	15th, Annual					10.1145/3203217.3205863	
International Conferences 2019										
C17	Floating car data map-matching utilizing Dijkstra algorithm	Vít Ptošek, Lukáš Rapant, Jan Martinovič	3rd International Conference on Data Management, Analytics and Innovation, ICDMAI 2019	3rd, Annual	Springer Nature	AISC	2019		accepted	
C18	Feasibility Analysis Of Using the MAUI Scheduler for Job Simulation of Large-scale PBS Based Clusters	Georg Zitzlsberger, Branislav Jansík, Jan Martinovič	Multi Conference on Computer Science and Information Systems, MCCSIS 2019	13th, Annual					submitted	