

		(South America) room 1	(Helsinki) room 2	(Moscow) room 3	(South America) room 1	(Helsinki) room 2	(Moscow) room 3	(South America) room 1	(Helsinki) room 2
Start at:	March 5 (Sunday)	March 6 (Monday)			March 7 (Tuesday)			March 8 (Wednesday)	
8:00-9:00		Registration							
9:00-9:30		Opening							
9:30-10:00		Keynote 1			Keynote 3			Main track 7	HPCMS 2
10:00-10:30		Keynote 2			Keynote 4				
10:30-11:00									
11:00-11:30									
11:30-12:00									
12:00-12:30		Coffee break			Coffee break			Coffee break	
12:30-13:00		Main track 1	SPDNS 1	OCPNBS 1	Main track 4	Bioinf	OCPNBS 2	Main track 8	WIP
13:00-13:30									
13:30-14:00									
14:00-14:30		Lunch			Lunch			Lunch	
14:30-15:00									
15:00-15:30		Main track 2	SPDNS 2	CCISA 1	Main track 5	GPU	4PAD	Main Track 9	
15:30-16:00									
16:00-16:30	Registration								
16:30-17:00		Coffee break			Coffee break			Coffee break	
17:00-17:30		Main track 3	SPDNS 3	CCISA 2	Main track 6	Energy	HPCMS 1	Coffee break	
17:30-18:00									
18:00-18:30									
18:30-19:00									
19:00-19:30									
19:30-20:00		WELCOME RECEPTION AND DINNER			BANQUET				
20:00-20:30									
20:30-21:00									
21:00-22:00									
	Keynote 1	Challenges in Computing Accelerators and Heterogeneous Computing Dr. Didier Elbaz, LAAS/CNRS, Toulouse, France							
	Keynote 2	Hybrid high performance computing: Cost and Benefit for Scientific Applications Prof. Vladimir Zaborovsky, Saint Petersburg Polytechnic University, St. Petersburg, Russia							
	Keynote 3	Metascheduling and Resource Management in Grid and Cloud Computing Prof. Victor Toporov, National Research University "MPEI", Moscow, Russia							
	Keynote 4	Big Data, Semantic Structures and Causal Decision-making Models Prof. Vladimir I. Gorodetsky, SPIRAS, St. Petersburg, Russia							
	Main track 1	A Parallel Memetic Algorithm for the Pickup and Delivery Problem with Time Windows, Jakub Nalepa and Miroslaw Blocho							
	full	Cloud Storage Cost Modeling for Cryptographic Filesystems, Mauro Storch and Cesar De Rose							
	full	An FPGA-Based In-NIC Cache Approach for Lazy Learning Outlier Filtering, Ami Hayashi and Hiroki Matsutani							
	Main track 2	A Parallel Variant of LDSieve for the SVP on Lattices, Artur Mariano, Thijs Laarhoven and Christian Bischof							
	full	High Performance I/O for Seismic Wave Propagation Simulations, Francieli Zanon Boito, Jean Luca Bez, Fabrice Dupros, Mario Dantas, Philippe Navaux and Hideo Aochi							
	short	Hierarchical Placement of Smart Mobile Access Points in Wireless Sensor Networks using Fog Computing, Amin Majd, Golnaz Sahebi, Masoud Daneshgah, Juha Plosila and Hannu Tenhunen							
	short	Mobile application testing on Clouds: challenges, opportunities and architectural elements, Miguel Xavier, Kassiano Matteussi, Gabriel França, Wager Pereira and Cesar De Rose							
	Main track 3	Modelling Low Power Devices for Cloud Simulation, Gabor Kecskemeti, Wajidi Hajji and Fung Po Tso							
	full	MERCURY: a Transparent Guided I/O Framework for High Performance I/O Stacks, Giuseppe Congiu, Matthias Grawinkel, Federico Padua, James Morse, Tim Suess and Andre Brinkmann							
	full	Parallel Satisfiability Solver Based on Hybrid Partitioning Method, Tarek Memouer and Souheib Baarir							
	full	Resource Management for Mobile Publish/Subscribe Systems, Fatma Abdennadher and Maher Ben Jemaa							
	Main track 4	Elastic Scaling for Distributed Latency-sensitive Data Stream Operators, Tiziano De Matteis and Gabriele Mencagli							
	full	Parallelization of Machine Learning Applied to Call Graphs of Binaries for Malware Detection, Robert Searles, Lifan Xu, William Killian, Tristan Vanderbruggen, Teague Forren, John Howe, Zachary Pearson, Corey Shannon, Joshua Simmons and John Cavazos							
	full	Fault-Tolerant Parallel Execution of Workflows with Deadlines, Patrick Eitschberger and Jörg Keller							
	Main track 5	A Rapid Data Communication Exploration Tool for Hybrid CPU-FPGA Architectures, Mariem Makni, Smail Niar, Mouna Baklouti, Guanwen Zhong, Tulika Mitra and Mohamed Abid							
	full	Efficient Regional Congestion Awareness (ERCA) for Load Balance with Aggregated Congestion Information, Sheng Xu, Jie Wu, Binzhang Fu, Minguo Chen and Lixin Zhang							
	short	Flexible Representation of IoT Sensors for Cloud Simulators, Andras Markus, Gabor Kecskemeti and Attila Kertesz							
	short	Parallelizing Soft-Synths with Soft Real-Time Requirements, Ede Cameron and Dhruvajyoti Goswami							
	Main track 6	Decentralized Management of Random Walks over a Mobile Phone Network, Árpád Berta and Mark Jelasty							
	full	Softening Up the Network for Scientific Applications, Celio Trols, Luis C. Bona, Marcos D. Del Fabro, Magno Martinello, Sarvesh Bidkar, Reza Nejabati and Dimitra Simeonidou							
	full	TWINS: Server Access Coordination in the I/O Forwarding Layer, Jean Luca Bez, Francieli Zanon Boito, Lucas Mello Schnorr, Jean-François Mehaut and Philippe Navaux							
	short	Characterizing Performance and Cache Impacts of Code Multi-Versioning on Multicore Architectures, Peter Zangerl, Peter Thoman and Thomas Fahringer							
	short	Using bootstrapping principles of contemporary P2P file-sharing protocols in large-scale grid computing systems, Josef Gattermayer and Pavel Tvrdek							
	Main track 7	CloudMapper: A Model-based Framework for Portability of Cloud Applications Consuming PaaS Services, Riccardo Muniso and Adriana E. Chis							
	full	Dynamic Load Balancing of Monte Carlo Particle Transport Applications on HPC Clusters, Thomas Gonçalves, Frédéric Desprez and Jean-François Mehaut							
	full	NoSQL Database Record Versions Processing Model, Aleksey Burdakov, Ury Grigorev, Andrey Ploutenko and Eugene Tsviaschenko							
	full	A Region-Based Approach to Pipeline Parallelism in Java Programs on Multicores, Yang Wang and Kenneth Kent							
	Main track 8	Efficient Multi-Core AUTOSAR-Platform based on an Input/Output Gateway Core, Moisés Urbina and Roman Obermaier							
	full	Transforming procedural code for streaming environments, Michal Brabec and David Bednárek							
	short	Evaluating Concurrency Throttling and Thread Packing on SMT Multicores, Marco Danelutto, Tiziano De Matteis, Daniele De Sensi and Massimo Torquati							
	short	Performance of Krylov subspace methods for symmetric matrices in hybrid parallelization, Kuniyoshi Abe and Seiji Fujino							
	Main track 9	Data Race Detection by Understanding Synchronization Relationships among Thread Segments, Jian Peng, Zhiyuan Shao and Hai Jin							
	short	Warstack: Improving LLC Replacement for NVM with a Writeback-aware Reuse Stack, Hanfeng Qin and Hai Jin							
	short	Energy-efficient and Portable Least Squares Prediction for Image Coding on a Mobile GPU, Pedro Cordeiro, Gabriel Falcao, Patricio Domingues, Nuno Rodrigues and Sergio Faria							
	short	Educational Multiprocessor Simulator "E14" and Its Usage for Expanding the Formula of Amdahl's Law, Evgeny Eremin							
	short	TORMENT OpenACC2016: A benchmarking tool for OpenACC compilers, Daniel Barba, Arturo Gonzalez-Escribano and Diego R. Llanos							
	short	A QoS Bandwidth Allocation Method for Coexistence of Wireless Body Area Networks, Da-Ren Chen							
	short	On the Overhead of Topology Discovery for Locality-aware Scheduling in HPC, Brice Goglin							
	GPU	Asynchronous Power Flow on Graphic Processing Units, Manuel Marin, David Defour and Federico Milano							
	full	GPU-based Bio-inspired Model for Solving Association Rules Mining Problem, Youcef Djenouri, Ahcene Bendjoudi, Djamel Djenouri and Marco Comuzzi							
	short	On the evaluation of energy-efficient deep learning using stacked autoencoders on mobile GPUs, Gabriel Falcao, L. A. Alexandre, Jose Marques, Xavier Frazao and Joao Maria							
	short	Efficient Parallelization of Motion Estimation for Super-Resolution, Elisa Marenzi, Andrea Carrus, Giovanni Danese, Gustavo Marrero Callicó and Francesco Leporati							
	Bioinformatics	CUDA-Sankoff: using GPU to accelerate the pairwise structural RNA alignment, Daniel Sundfeld, Jakob Havsgaard, Jan Gorodkin and Alba Cristina M. A. Melo							
	full	Implementing a space-aware stochastic simulator on low-power architectures: a systems biology case study, Lucia Morganti, Elena Corni, Daniele D'Agostino, Andrea Ferraro, Daniele Cesini and Ivan Merelli							
	full	A low-power architecture for miRNA-target genome wide analysis, Stefano Beretta and Ivan Merelli							
	SPDNS 1	Sound Covert: A Fast and Silent Communication Channel through the Audio Buffer, Ofir Shwartz and Yitzhak Birk							
	full	A Distributed Framework for Collaborative and Dynamic Analysis of Android Malware, Antonio La Marra, Fabio Martinelli, Francesco Mercedo, Mario Faiella, Andrea Saracino and Mina Sheikhalishahi							
	full	Parallel Processing of Big Heterogeneous Data for Security Monitoring of IoT Networks, Igor Saenko, Igor Kotenko and Alexey Kushnerevich							
	SPDNS 2	Privacy-Preserving Location-Proximity for Mobile Apps, Simonas Stirbys, Omar Abu Nabah, Per Hallgren and Andrei Sabelfeld							
	full	CVSS-based Probabilistic Risk Assessment for Cyber Situational Awareness and Countermeasure Selection, Elena Doynikova and Igor Kotenko							
	short	Using S-Rules to Fire Dynamic Countermeasures, Fabrizio Baiardi, Federico Tonelli and Jacopo Lipilini							
	short	A Formal Model of Patrolling Game and its Agent-Based Simulation Using Jason, Amelia Badica, Costin Badica, Florin Leon and Catalina Catalina Sitnikov							
	SPDNS 3	Analysing The Impact Of A DDoS Attack Announcement On Victim Stock Prices, Abhishta., Reinoud Joosten and L.J.M. Nieuwenhuis							
	full	Cloudifying Critical Applications: A Use Case from the Power Grid Domain, Ferdinando, Campanile, Luigi Coppolino, Salvatore D'Antonio, Leonid Lev, Giovanni Mazzeo, Luigi Romano, Luigi Sgaglione and Francesco Lestitore							
	short	Behavior Analysis for Safety and Security in Automotive Systems, Roland Rieke, Marc Seidemann, Elise Kengni Talla, Daniel Zelle and Bernhard Seeger							
	short	A survey on fake entities as a method to detect and monitor malicious activity, Sampsia Rauti and Ville Leppänen							
	short	Towards stronger data protection in an eID Management Infrastructure, Diana Gratiela Berbecaru, Marco De Benedictis, Andrea Atzeni and Paolo Smiraglia							
	short	Surveying and Analyzing Access Control Models in Cloud Computing, Mariem Bouchaala, Cherif Ghazel and Farouk Kamoun							
	Energy	Core Level Utilization for Achieving Energy Efficiency in Heterogeneous Systems, Hergys Rexha, Simon Holmbacka and Sébastien Lafond							
	full	Balancing the use of batteries and opportunistic scheduling policies for maximizing renewable energy consumption in a Cloud data center, Yunbo Li, Anne-Cécile Orgerie and Jean-Marc Menaud							
	full	How Much Energy can Green HPC Cloud Users Save?, David Guyon, Anne-Cécile Orgerie, Deb Agarwal and Christine Morin							
	short	Asymmetric Crown Scheduling, Manfred Torggler, Christoph Kessler and Jörg Keller							
	short	epEBench: True Energy Benchmark, Simon Holmbacka and Robert Müller							
	CCISA 1	Virtual Machine Boot Time Model, Thuy Linh Nguyen and Adrien Lèbre							
	full	Efficient Bottleneck Detection in Stream Process System Using Fuzzy Logic Model, Yanlong Zhai and Wu Xu							
	short	Transparent execution of task-based parallel applications in Docker with COMP Superscalar, Victor Anton, Jorge Ejarque, Rosa M. Badia and Cristián Ramón-Cortés Vilarrodona							
	short	An Intra-Cloud Networking Performance Evaluation on CloudStack Environment, Adriano Vogel, Dalvan Griebler, Claudio Schepke and Luiz Gustavo Fernandes							
	CCISA 2	Analysing the performance instability correlation with various workflow and cloud parameters, Sasko Ristov, Roland Mathä and Radu Prodan							
	short	HPC Application Performance and Cost Efficiency in the Cloud, Eduardo Roloff, Matthias Diener, Luciano Paschoal Gasparny and Philippe Navaux							
	short	Use Cases Towards a Decentralized Repository for Transparent and Efficient Virtual Machine Operations, Radu Prodan, Dragi Kimovski, Gabor Kecskemeti and Vlado Stankovski							
	short	Coherent Application Delivery on Hybrid Distributed Computing Infrastructures of Virtual Machines and Docker Containers, Germán Moltó, Miguel Caballer, Alfonso Pérez, Carlos de Alfonso and Ignacio Blanquer							
	full	Network-Aware VM Migration Heuristics for Improving the SLA Violation of Multi-tier Web Applications in the Cloud, Amir Hossein Borhani, Terence Hung, Bu Sung Lee, Zheng Qin and Zahra Bagheri							
	panel	ENTICE panel on: future development of clouds							
	HPCMS 1	A Tracking Algorithm for Particle-like Moving Objects, Davide Spataro, Paola Arcuri, Donato D'Ambrosio, Alessio De Rango, Alice Mari and William Spataro							
	full	A GPU Implemented 3F Cellular Automata-based Model for a 2D Evacuation Simulation Pattern, Isaac Koumis, Ioakeim Georgoudas, Jaroslav Was, Giuseppe A. Trunfio and Georgios Ch. Sirakoulis							
	full	Parallel execution of cellular automata through space partitioning: the landslide simulation ScidicaS3-hex case study, Andrea Giordano, Carlo Mastroianni, Gianluigi Folino, Davide Spataro, Alessio De Rango, William Spataro and Donato D'Ambrosio							
	short	A Comparative Analysis of Data-Driven Consolidation Policies for Energy-Efficient Clouds, Albino Altomare and Eugenio Cesario							
	short	A Peer to Peer Approach To Efficient High Performance Computing, Nunziato Cassavia, Sergio Flesca, Michele Ianni, Elio Masciari, Giuseppe Papuzzo and Chiara Pulice							
	HPCMS 2	From python scripting to parallel spatial modeling. Cellular automata simulations of land use, hydrology and pest dynamics, Jesús Carabaño and Jan Westerholm							
	full	Parallel and Cloud-based Analysis of Omics Data: Modelling and Simulation in Medicine, Giuseppe Agapito, Barbara Calabrese, Pietro Hiram Guzzi, Gionata Fragomeni, Pierangelo Veltri and Mario Cannataro							
	full	High performant simulations of cerebellar Golgi cells activity, Giordano Florimbi, Emanuele Torti, Giovanni Danese and Francesco Leporati							
	short	Noise Inspector Tool, Gladys Utrera, Jesus Labarta and Jordi Fornes							
	short	Task packing: Getting the best from MPI unbalanced applications, Gladys Utrera, Montse Farreras and Jordi Fornes							
	OCPNBS 1	Global Adaptation for Energy Efficiency in Multicore Architectures, Alina Lenz, Tobias Pieper and Roman Obermaier							
	full	Register-Exchange based Connection Allocator for Circuit Switching NoCs, Yong Chen, Emil Matus and Gerhard Fettweis							
	full	Buffer-Aware Analysis for Worst-Case Traversal Time of Real-Time Traffic over RRA-based NoCs, Meng Liu, Matthias Becker, Moris Behnam and Thomas Nolte							
	OCPNBS 2	Cache Energy Management Through Dynamic Reconfiguration Approach in Opto-Electrical NoC, Saba Jamilan, Meisam Abdollahi and Siamak Mohammadi							
	full	Compiler-Enhanced Reliability Framework for Network on Chips, Muhammad Sasongko, Haluk Topcuoglu, Sanem Arslan and Mahmut Kandemir							
	short	Multi-Objective Task Mapping Approach for Wireless NoC in Dark Silicon Age, Amin Rezaei, Danella Zhao, Masoud Daneshgah and Hai Zhou							
	short	3D-AMAP: A Latency-Aware Task Mapping onto 3D Mesh-Based NoCs with Partially-Filled TSVs, Hesamedin Ziaeeizabari and Ahmad Patooghy							
	4PAD	Model Checking Geographically Distributed Interlocking Systems using UMC, Anne E. Haxthausen, Alessandro Fantechi and Michel B. R. Nielsen							
	short	Automatic refinement for Event-B through annotated patterns, Badr Siala, Jean-Paul Bodeveix, Mamoun Filali and Mohamed Tahar Bhiri							
	short	Analysing Message Numbers in Actor Systems, Marco Grebe, Tilman Lacko and Rita Loogen							
	WIP	The Legal Side of IoT Cloud Systems, Szilvia Varadi, Attila Kertesz							
	full	Parallel Application Experiences Using Advanced Communication Primitives, Shinji Sumimoto, Yuichiro Aijima, Takafumi Nose, Kazushige Saga, Naoyuki Shida, Morie Yoshiyuki, Takeshi Nanri							
	full	Towards Adaptive Resilience in High Performance Computing, Slavash Ghiasvand, Florina M. Ciorba							
	full	An Experimental Detection for Hardware Failure Using Big Data Analysis, Rika Ito, Naoyuki Fujita							
	full	Complexity Analysis of the Parallel Algorithm for Minimizing the Fleet Size in the Pickup and Delivery Problem with Time Windows, Miroslaw Blocho, Jakub Nalepa							
	full	An Efficient Parallel Multilayer Perceptron Network for Hyperspectral Images Classification, Emanuele Torti, Alessandro Fontanella, Giovanni Danese, Francesco Leporati							
	full	A Scalable Data Web Visualization Architecture, Genaro Cordasco; Renato De Donato, Delfina Malandrino, Pina Palmieri, Andrea Petta, Donato Pirozzi, Vittorio Scaranò, Luigi Serra, Carmine Spagnuolo, Luca Vicidomini							