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The Second International Conference on Advanced Communications and Computation

INFOCOMP 2012
October 21-26, 2012 - Venice, Italy
http://www.iaria.org/conferences2012/INFOCOMP12.html

Important deadlines:

Submission (full paper)	June 7, 2012
Notification	July 23, 2012
Registration	August 7, 2012
Camera ready	August 7, 2012

Tracks:

Large scale and fast computation

Developments in information and computing systems; Grid computing; Cloud computing; Pervasive/ubiquitous computing; Services computing and Opportunistic computing; High Performance Computing (HPC); Fast data processing; Real-time processing; Fast switching and routing protocols; Parallelization of algorithms and applications; Energy-efficient High Performance Computing; Large scale data visualization; Tools for parallelization; Programming languages and parallel algorithms; Highly performance codes; MPI, OpenMP; Optimization; Innovative architectures; Distributed systems, dynamical systems; Future architectures, integrated systems, beyond cloud, reaching exaflop

Networks/systems communications

Cross-layer design and optimization; Cyber-physical systems and networks; Data centers, virtualization, and cloud networks; Delay/disruption tolerant networks; Future Internet broadband services; Fast networks / InfiniBand architectures for future interactive multicore applications; ; Sensor networks and embedded systems; Ad hoc mobile networks; Access technologies; P2P networks; Optical networks; Cellular and broadband wireless networks; Mobility models and mobile networks; Multicast, broadcast and anycast; Multimedia protocols and networking; Software defined radio and cognitive radio networking; Content-based network service; Certification, public key infrastructures, data integrity; Privacy and anonymity

Networks/systems measurement, control and management

Networks/systems measurement, simulation and emulation; Network-, system-, and application-management; Congestion control and capacity planning; Dynamic spectrum management; Addressing and location management; Quality of Service (QoS) and Quality of Experience (QoE); Quality of Data (QoD) and Quality of Context (QoC); e-Commerce, accounting, pricing and billing; Use of distributed compute and storage resources; Energy-aware mechanisms for control and management; Configuration, reuse of software components; Resource allocation and management; Denial of service mitigation and prevention; System and data security; Communication visualization

Advanced applications

Simulation and modelling (scientific applications, engineering, industry); Computer science and geoinformatics; e-Energy, geosciences, prospection, exploration, oil and gas; Mobility and logistic services; Geoscientific Information Systems (GIS); Remote sensing and satellite imaging; Cartography, hydrology; Climatology and environmental sciences; Molecular dynamics simulation; Genetic algorithms; Physics and chemistry applications; Medicine, genetics, epidemiology, medical geology; Multi-dimensional data visualization; Search engines and scientific discovery; Online social networking; Vehicular, underground and underwater networks and applications; Scientific data processing; Computation frameworks and tools (Mathematica, SAGE, Maple, Matlab, Gromacs, ANSYS, Fluent, etc.); Database applications; Information and database systems; Education, e-Learning, and e-Science; ICT business evaluation and management; Legal informatics, Open Access, Science / Copyright; Earth and planetary sciences; Archaeology, cultural heritage

Evaluation context

Energy-aware and energy-efficient networks; Implementation and experimental testbeds; Traffic measurement and traffic patterns; Characterization of topology dynamics; Access and biometric technologies, performance, and cost prediction; Web services and performance; Performance measurement and benchmarking; Energy-aware and energy-efficient High Performance Computing; Usability studies; Social and ethic consequences with biometry and data security; Standards, benchmarks, protocols

Biometry, security, access technologies, algorithms, and applications

Technologies and advances in biometric algorithms and interfaces (gait, electrocardiography, iris, image, fingerprint, palm veins, multi-modality); Biometric systems; Integration of biometrics with other technologies; Challenge response; Simplified enrollment; NFC support, spoofing and countermeasures; Single sign on (SSO); Adaptive trust; Template protection (protection of reference data); Large and scalable biometric systems using cloud services; Deployed solutions and applications; Experience reports and systems; Description in physical and logical access control (information system access, immigration and border control, law enforcement, entertainment, finance, life science, healthcare, forensics)