



The Seventeenth International Conference on Cloud Computing, GRIDs, and Virtualization

CLOUD COMPUTING 2026

April 19, 2026 to April 23, 2026 - Lisbon, Portugal

Submit a Contribution

Registration

Camera Ready

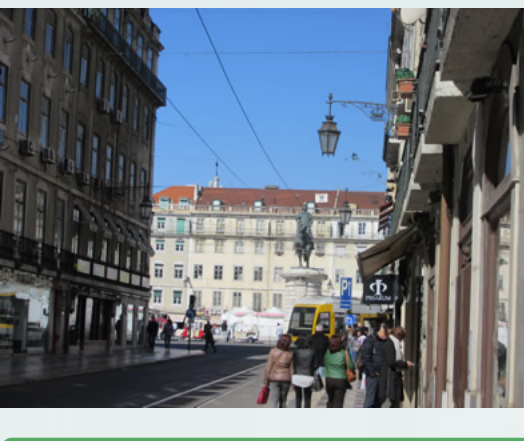
Deadlines

Submission	Jan 27, 2026
Notification	Feb 16, 2026
Registration	Mar 01, 2026
Camera ready	Mar 15, 2026

Deadlines differ for special tracks. Please consult the conference home page for special tracks Call for Papers (if any).

Past Events

Sponsors



Publication

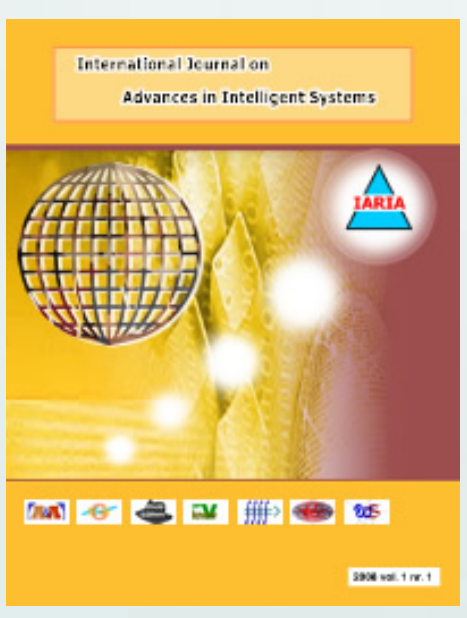
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CLOUD COMPUTING 2026

Onsite and Online Options: In order to accommodate various situations, we are offering the option for either physical presence or virtual participation (pdf slides or pre-recorded videos).

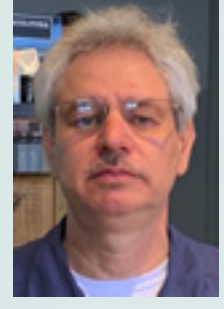
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CLOUD COMPUTING 2026 is colocated with the following events as part of [ComputationWorld 2026 Congress](#):

- [SERVICE COMPUTATION 2026](#), The Eighteenth International Conference on Advanced Service Computing
- [CLOUD COMPUTING 2026](#), The Seventeenth International Conference on Cloud Computing, GRIDs, and Virtualization
- [FUTURE COMPUTING 2026](#), The Eighteenth International Conference on Future Computational Technologies and Applications
- [COGNITIVE 2026](#), The Eighteenth International Conference on Advanced Cognitive Technologies and Applications
- [ADAPTIVE 2026](#), The Eighteenth International Conference on Adaptive and Self-Adaptive Systems and Applications
- [CONTENT 2026](#), The Eighteenth International Conference on Creative Content Technologies
- [PATTERNS 2026](#), The Eighteenth International Conference on Pervasive Patterns and Applications
- [COMPUTATION TOOLS 2026](#), The Seventeenth International Conference on Computational Logics, Algebras, Programming, Tools, and Benchmarking
- [BUSTECH 2026](#), The Sixteenth International Conference on Business Intelligence and Technology
- [AIVR 2026](#), The Third International Conference on Artificial Intelligence and Immersive Virtual Reality
- [CROSS-SEC 2026](#), The First International Conference on Cross-Domain Security in Distributed, Intelligent and Critical Systems

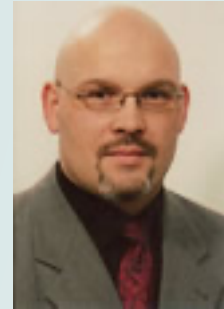
CLOUD COMPUTING 2026 Steering Committee



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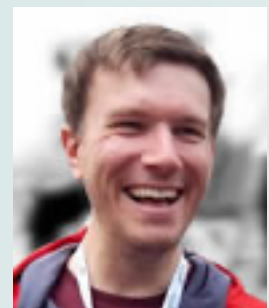
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Special tracks:

Hyper-CC: Hyper-Distributed Systems and Applications for the Computing Continuum

Chairs:
Assoc. Prof. Dr. Herodotos Herodotou, Cyprus University of Technology herodotos.herodotou@cut.ac.cy
Dr. Iakovos Michailidis, Centre for Research and Technology Hellas (CERTH), Greece michaild@iti.gr
Dr. Vassilis Papataxiaris, National and Kapodistrian University of Athens (NKUA), Greece vpap@di.uoa.gr

GenAI4Cloud: Generative AI for Cloud Computing

Chair: Kunal Rao, NEC Laboratories America, USA kunal@nec-labs.com

CLOUD COMPUTING 2026 conference tracks:

TRENDS: New trends

Fog-computing; Mobile Edge Computing; Cloudlets; Hosted Cloud services (WebRTC, Containers, Cloud micro-services); Cloud computing and SDN/NFV; Cloud computing and 5G; Cloud computing and LTE Pro 4.5; Cloud computing ad Big Data; High performance computing (HPC) in the Cloud; Superfluid Clouds; Mobile Apps to the public Clouds; Vehicular Cloud networks; Cloud orchestration features; Converged edge systems; Cloud federation; Micro-cloud provider federation; Open-implementation Cloud infrastructures; Untrusted Cloud environments; Multiple Clouds and data centers; Power Constrained VMs; Cloud Green abstraction layer; Managing applications in the clouds (CloudOps)

CLOUD: Cloud computing

Cloud economics; Core cloud services; Cloud technologies; Cloud computing; On-demand computing models; Hardware-as-a-service; Software-as-a-service [SaaS applications]; Platform-as-a-service; Storage as a service in cloud; Data-as-a-Service; Service-oriented architecture (SOA); Cloud computing programming and application development; Scalability, discovery of services and data in Cloud computing infrastructures; Trust and clouds; Client-cloud computing challenges; Geographical constraints for deploying clouds

CLOUD: Databases

Data management in the Cloud, Database-as-a-Service (DBaaS); Cloud-native databases; Distributed and federated databases; NoSQL, NewSQL and multimodel databases; In-memory and real-time cloud databases; Serverless databases; Elastic and autoscaling data stores; High availability and fault tolerance; Disaster recovery and backup in the Cloud; Data migration to and between clouds; Edge and fog databases; Cloud Data lakes and Cloud Lakehouse architectures; Cost-aware database management; Security, privacy and compliance in cloud databases; Confidential and encrypted database processing; Data governance and sovereignty; Benchmarking and evaluation of cloud databases; Cloud database case studies and applications

CLOUD: Challenging features

Privacy, security, ownership and reliability issues; Performance and QoS; Dynamic resource provisioning; Power-efficiency and Cloud computing; Load balancing; Application streaming; Cloud SLAs; Business models and pricing policies; Cloud service subscription models; Cloud standardized SLA; Cloud-related privacy; Cloud-related control; Managing applications in the clouds; Mobile clouds; Roaming services in Clouds; Agent-based cloud computing; Cloud brokering; Cloud contracts (machine readable); Cloud security; Security and assurance properties in cloud environments; Big Data Analytics in clouds; Cloud computing back-end solutions; Cloud applications portability; Cloud-native application design; Security by design for cloud services; Data privacy guarantee at run-time

CLOUD: Platforms, Infrastructures and Applications

Custom platforms; Large-scale compute infrastructures; Data centers; Processes intra- and inter-clouds; Content and service distribution in Cloud computing infrastructures; Multiple applications can run on one computer (virtualization a la VMWare); Grid computing (multiple computers can be used to run one application); Cloud-computing vendor governance and regulatory compliance; Enterprise clouds; Enterprise-centric cloud computing; Interaction between vertical clouds; Public, Private, and Hybrid clouds; Cloud computing testbeds

GRID: Grid networks, services and applications

GRID theory, frameworks, methodologies, architecture, ontology; GRID infrastructure and technologies; GRID middleware; GRID protocols and networking; GRID computing, utility computing, autonomic computing, metacomputing; Programmable GRID; Data GRID; Context ontology and management in GRIDs; Distributed decisions in GRID networks; GRID services and applications; Virtualization, modeling, and metadata in GRID; Resource management, scheduling, and scalability in GRID; GRID monitoring, control, and management; Traffic and load balancing in GRID; User profiles and priorities in GRID; Performance and security in GRID systems; Fault tolerance, resilience, survivability, robustness in GRID; QoS/SLA in GRID networks; GRID fora, standards, development, evolution; GRID case studies, validation testbeds, prototypes, and lessons learned

VIRTUALIZATION: Computing in virtualization-based environments

Principles of virtualization; Virtualization platforms; Thick and thin clients; Data centers and nano-centers; Open virtualization format; Orchestration of virtualization across data centers; Dynamic federation of compute capacity; Dynamic geo-balancing; Instant workload migration; Virtualization-aware storage; Virtualization-aware networking; Virtualization embedded-software-based smart mobile phones; Trusted platforms and embedded supervisors for security; Virtualization management operations /discovery, configuration, provisioning, performance, etc.; Energy optimization and saving for green datacenters; Virtualization supporting cloud computing; Applications as pre-packaged virtual machines; Licensing and support policies

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