

# Distributed Systems and Technologies (IJDST)

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**Editor(s)-in-Chief:** Nik Bessis (Edge Hill University, UK)

The **International Journal of Distributed Systems and Technologies (IJDST)** focuses on integration techniques, methods, and tools employed in applied distributed computing systems, architectures, and technologies. IJDST pays particular attention to this dimension as a means of diversifying and broadening the applicability and scope of knowledge in the area of distributed systems and technologies. This journal is dedicated to push developmental boundaries and publish cutting-edge developments related to science-to-science, science-to-business, business-to-business, business-to-customer, and customer-to-customer interactions. Topics covered by IJDST include but are not limited to the heterogeneity and autonomy of Internet, Web, peer-to-peer, service oriented, grid, next generation grid, next generation technologies and other distributed systems paradigms and concepts; algorithms, software, application, services and technologies integration methods; process, resource, service and data virtualization, sharing, and integration; process, resource, service and resource flow management; scheduling; aspects of quality provision, policies; trust, identity management, forensics and security; application developments centered on the integration and management of various (e-) science-to-science, science-to-business, business-to-business, business-to-customer, and customer-to-customer models.

## Topics Covered:

- Distributed concepts, systems, applications, technologies, and advanced paradigms for early warning systems, evacuation processes, climate changes, disaster management, and threat detection including geographical information systems and health informatics
- Distributed strategies and practices for e-society, global economies, developing countries, and education
- Distributed systems, system architecture and design, technologies and applications, and their integration methods and tools for performance analysis, verification, testing, and benchmarking and their empirical results
- Distributed technologies for science or business process, models, and application integration and management such as in operational research, economic models, and supply chain
- Distributed technology applications and system integration solutions in diverse collaborative environments including but not limited to science, engineering, management, and business
- Forensics, security, cryptography, threat detection, business continuity, trust, identity management, policies, and quality of service management
- Innovative developments in distributed computer, operating systems, databases, middleware, networking, and application
- Matching, mapping, and other novel techniques for the integration, management, and interoperability of distributed data, systems, technologies, services, architectures, applications, and legacy systems
- Representation techniques like semantics, meta-data, tagging, clouds, ontologies, and knowledge bases in distributed environments
- Theories and applications of distributed computing such as algorithms and services
- Theories, applications, and technologies
- Theory and use of distributed technologies for collaborative work, resource sharing, and problem solving
- Theory of distributed systems and technologies such as parallel or integration algorithms
- User and community led systems and application development, software engineering modeling, architecture, description, deployment, packaging, interfaces, and distribution

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All submissions and inquiries should be directed to the attention of:

Nik Bessis, [nik.bessis@googlemail.com](mailto:nik.bessis@googlemail.com)

All manuscript submissions to IJDST should be sent through the online submission system:

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## EDITOR-IN-CHIEF BIO

Nik Bessis is a full Professor of Computer Science and the Head of Department of Computing at Edge Hill University, UK. Prior to that, Nik was a full Professor of Computer Science and the Director of Distributed and Intelligent Systems (DISYS) research centre at the University of Derby, UK. He holds a PhD and a MA from De Montfort University, UK and a BA from TEI of Athens, Greece. Professor Bessis is a Fellow of HEA, BCS and a Senior Member of IEEE. His research is on social graphs for network and big data analytics as well as on developing data push and resource provisioning services in IoT, FI and clouds. He has led several projects worth over £3m. He has published over 250 works and won 4 best paper awards. He has chaired over 40 international events, delivered 4 keynote speeches, edited 4 SIs, 8 books and 9 conference proceedings. His latest 2 edited books on IoTs & big data have been ranked as top 25 & top 40 on Amazon AI book lists. He is also the founding editor-in-chief of IJDST. Professor Bessis has served as an expert evaluator for the Hellenic QAA and, as an assessor for more than 10 Professorships conferment worldwide.