Editorial

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Editorial

We are happy to announce that the first issue of the International Journal of Computer and Communication Technology (IJCCT) is coming out in 2009. *IJCCT* is a refereed journal in the field of Computer and Communication Technology, providing an international forum for professionals, engineers and researchers. *IJCCT* reports the new paradigms in this emerging field of technology and envisions the future developments in the frontier areas. The journal addresses issues for the vertical and horizontal applications in this area. *IJCCT* provides a forum to help professionals, academics, researchers and policy makers, working in the field of information and communication technology, to disseminate information and to learn from each other's work.

Topics suitable for *IJCCT* include but are not limited to:

- Architectures and computation models, compiler, hardware and OS issues
- Memory system, I/O, tools, programming environment and language supports
- Performance modelling and evaluation
- Artificial intelligence
- Visualisation and virtual reality
- Hardware/software co-design and VLSI support
- Cluster, grid and web-based computing and simulation
- Education in computational science and engineering
- Information theory and coding and Information security
- Internet and web based systems and products
- Computer network planning and design
- Computer network administration
- Human-computer intelligent interaction
- Computational linguistics
- Distributed and cooperative media
- Interactive communication media and contents
- Mobile communication
- Signal representation and processing
- Digital speech and image processing
- ICT infrastructure standards and security
- Microprocessor interfacing and hardware design
- Computer control of industrial processes
- Networking-enterprise applications
- E-governance
- Biomedical applications Computer networks
- Data communications and Distributed computing
- Parallel and systolic computing
- Network and information security
- Network architecture
- Wireless ad hoc and sensor networks
- Mesh networks
- Mobile computing
- Virtual private networks
- Security in networks
- Advanced network protocol design and analysis
- Protocol verification and validation
- Network management
- Reliability and fault tolerance
- Multimedia networking
- Performance modelling
- Routing and traffic engineering
- Web computing
- Network programming
- Grid computing and Cluster computing

- Real-time and embedded systems
- Middleware
- Internet computing
- Web services

We have included eight papers in this inaugural issue. The first paper entitled "A Theoretical Framework of Knowledge Management in M-Government" by Srikanth Kesavarapu and Choi Mun-Keehas explained about M-government. They have presented technical challenges, usability challenges, handset-limitations, social and legal issues in their paper.

The second paper entitled "A Novel Framework for Context Based Distributed Focused Crawler (CBDFC)" by Pooja Gupta et. al. explained about the framework of a context based crawler that maintains an index of web documents pertaining to the context of keywords. The next paper entitled "Intelligent Transport Systems in Commercial Vehicle Operations" by Sunil Agrawala and Harish Kallianpur explained about the Intelligent Transportation Systems (ITS). It is an unique application of computers, communications and sensor technology to improve the efficiency or safety of surface transportation systems.

The forth paper entitled "Classification of Facial Emotions using Guided Particle Swarm Optimization I" by B.M. Ghandi et al explained about a novel approach to facial emotion detection using a modified Particle Swarm Optimization algorithm, which we called Guided Particle Swarm Optimization (GPSO). The next paper "Greedy Selection of Materialized Views" by T.V. Vijay Kumar and Aloke Ghoshal explained about the Greedy based approach for view selection at each step.

The sixth paper by A.C.M. Fong , Andrew Simpson and Bernard Fong is "Precise descriptions of VLC synchronization with CSP semantic models". They have described a novel application of the CSP stable failure model to completely describe the VLC synchronization mechanisms. The next paper entitled "Hardening of UNIX Operating System" by Padma Lochan Pradhan explained about Operating system hardening, which is a process to address security weaknesses in the operation systems by implementing the latest operating system patches, hot fixes and updates as well as follow up the specific procedures and policies to reduce attacks and system down time.

The last paper entitled "Rough ACO: A Hybridized Model for Feature Selection in Gene Expression Data" by Debahuti Mishra et. al. proposed a method for dimensionality reduction of a feature set by choosing a subset of the original features that contains most of the essential information, using the same criteria as the ACO hybridized with Rough Set Theory.

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Prof. Sabyasachi Patnaik
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Editors-in-Chief

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