



RIVF'08
**2008 IEEE International Conference on Research, Innovation
 and Vision for the Future**
in Computing & Communications Technologies

Ho Chi Minh City, Vietnam
 July 07-11, 2008

Sponsored by IEEE Vietnam Section, technically co-sponsored by IEEE Communications Society and Computational Intelligence Society (pending for approval)



IEEE

Evolving from a French speaking conference on computer sciences in its early stage, RIVF has become a major scientific event for researchers in the field of Computing and Communications Technologies, not only in Vietnam but also worldwide. The previous edition, RIVF'07, held in Hanoi, had received submissions coming from 23 countries across all the continents. This sixth edition is hosted by the University of Natural Sciences of Vietnam National University at Ho Chi Minh City, and is sponsored in the first time by the newly established IEEE Vietnam Section in cooperation with IEEE Region 10 and technically co-sponsored by IEEE Communications Society. RIVF'08 continues to offer an opportunity for researchers and innovators to discuss problems, share results, identify emerging issues, and establish academic collaborations in various disciplines of computing and communications. The conference series URL is www.rivf.org.

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Technical co-sponsors (incomplete list):

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Conference Topics: The conference solicits submission of research papers in all major areas of computing, especially results of inter-disciplinary research work combining state-of-the-art theories and methods of different disciplines. Topics include, but are not limited to:

- **Data and Knowledge Management:** information extraction and retrieval, data mining, knowledge representation and reasoning, decision support systems, integrated information systems, semantic web, information security.
- **Computational Linguistics:** Natural language processing, speech recognition, cross language information retrieval, computational grammar.
- **Computer Networks:** Network architecture, network protocols and security, parallel and distributed computing, grid computing.
- **Software Engineering:** Software analysis and verification, grid-based software architecture, embedded software and systems, web services.
- **Visual Information, Perception and Interaction:** Data visualization, virtual reality, image processing, human-computer interface, advanced geographic information systems.
- **Computational Intelligence Technologies:** Fuzzy systems, neural networks, evolutionary computing, probabilistic reasoning.
- **Computational Biology and Medical Informatics:** Computational genomics and proteomics, metabolomics, systems biology, clinical informatics, public health informatics.
- **Applied Operational Research and Optimization:** Linear programming, integer programming, dynamic programming, constraint propagation, heuristics, applications in control, production, and scheduling.
- **Advanced Computing and Simulation Models:** Agent-based systems, behaviour simulation, quantum computing, pervasive computing, scientific computing, social simulations, complex system modelling and simulations.
- **Converging Computing and Communications Systems:** wireless and ad-hoc networks, mobile and ubiquitous computing, advanced silicon-based technologies, multimedia systems, intelligent internet, e-commerce, e-learning, e-government.

Paper Submission: Authors are invited to submit papers up to 8 pages, in English, describing the results of their research, or of their innovative, practical applications relevant to the conference topics. All papers must be original contributions and not previously published, nor currently under consideration, for publication elsewhere. All papers will be submitted on-line, in PDF format using IEEE standard template, to the conference website. Each paper will be reviewed by the program committee for its originality, relevance, and clarity. Accepted papers will be published in the main conference proceedings registered with IEEE Xplore and referenced in international libraries.

Doctoral Symposium: In addition to its plenary scientific sessions, the conference will include a one-day doctoral symposium, creating an opportunity for doctoral students to present their thesis work proposals and progress, and receive constructive comments and guidance from peer mentors in the fields. Students are invited to submit papers up to 3 pages, on-line, and in the same PDF format and IEEE standard template as regular papers. All papers submitted to the doctoral symposium will also be reviewed and selected ones will be published in the conference addendum contributions.

Call for Tutorials: The conference will be started with one day of tutorials on its topics. Tutorial proposals are invited and should be submitted by January 31, 2008, to the Tutorial Chair at thuy@hcmuns.edu.vn. Each proposal should include one page of a sketch biography of the instructor, outline of the tutorial, and pre-requisites for the intended audience.

Important Dates:

- February 25, 2008: Paper submission deadline
- April 14, 2008: Acceptance notification
- May 12, 2008: Camera-ready paper submission and author registration
- July 07, 2008: Tutorials
- July 08-10, 2008: Conference
- July 11, 2008: Doctoral symposium