



The 16th IEEE-RIVF International Conference on Computing and Communication Technologies Ho Chi Minh City, Vietnam, December 20-22, 2022

Honorary Chairs

- Nguyen Anh Tuan, HUFLIT, Vietnam
- Ho Tu Bao, VIASM, Vietnam

General Chairs

- Nguyen Thanh Thuy, UET-VNU, Vietnam
- Doug Zuckerman, IEEE, USA
- Tran Manh Ha, HUFLIT, Vietnam

Program Chairs

- Koichiro Ishibashi, UEC, Japan
- Vo Nguyen Quoc Bao, PTIT, Vietnam
- Pham Tran Vu, HCMUT, Vietnam
- Nguyen T Minh Huyen, US-VNU, Vietnam

Organizing Chairs

- Pham T Thanh Uyen, HUFLIT, Vietnam
- Nguyen Phi Khu, HUFLIT, Vietnam
- Ngo Thanh Long, LQDTU, Vietnam
- Nguyen Thanh Trung, HUFLIT, Vietnam

Publication Chairs

- Tran Van Lang, HUFLIT, Vietnam
- Tran Ngoc Thinh, HCMUT, Vietnam

IMPORTANT DATES

- July 20, 2022: Submission deadline
- Sept. 20, 2022: Acceptance notification
- Oct. 20, 2022: Camera-Ready Submission
- Dec. 20-22, 2022: Conference dates

CALL FOR PAPERS

Started in 2003, RIVF (Research, Innovation and Vision for the Future) has become a major scientific event for researchers in the field of Computing and Communication Technologies, not only in Vietnam but also worldwide. In the past, the conference series were annual. Since the 9th conference in 2012, RIVF has been held in approximately every 18 months, alternating between the northern and southern part of Vietnam. Historically, it was at RIVF 2007 that the IEEE Vietnam Section was formed, and since then RIVF has become an IEEE conference. Proceedings of RIVF 2006 to 2020 are available at <https://ieeexplore.ieee.org/xpl/conhome/1001965/all-proceedings>. RIVF 2022 is the 16th conference in this series. Ho Chi Minh City University of Foreign Languages and Information Technology (HUFLIT) will host the conference from December 20-22, 2022 in Ho Chi Minh City, Vietnam. It 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 RIVF 2022 conference website is located at <http://www.rivf.net> or <http://rivf2022.huflit.edu.vn>.

CONFERENCE TOPICS

The conference solicits submission of research papers in major areas of communication and computing, organized into five tracks. Relevant topics of each track include, but are not limited to:

- 1. Image, Language, Speech Processing** (Chairs: Massimo Piccardi, UTS, AUS & Huynh Trung Hieu, IUH, VN): Natural language processing, language and speech processing, speech production and perception, language modeling, speech analysis and synthesis, speech enhancement, human-computer interaction, multimedia, image processing, data visualization.
- 2. Communications, Networking, Cyber-Security** (Chairs: Vitalian Danciu, LMU, GER & Pham Quoc Cuong, HCMUT, VN): Network architecture and protocols, quantum networks and communications, wireless/wireline communications systems, smart city solutions, advanced communications technologies, security and privacy, application security, intrusion and security threat detection, cyber-forensics, blockchain.
- 3. Distributed System, Internet of Things, Cloud Computing** (Chairs: Diep Nguyen, UTS, AUS & Duong Tuan Anh, HUFLIT, VN): Parallel and distributed computing, grid and cloud computing, fog/edge computing and networking, mobile and ubiquitous computing, internet of things, virtualization.
- 4. AI, Data Science, Big Data Analytics, Smart Computing** (Chairs: Hoa Khanh Dam, UW, AUS & Tran Minh Triet, HCMUS, VN): Soft computing, knowledge discovery and data mining, machine learning, computational biology, agent-based systems, semantic web, information extraction and retrieval, text and web mining, health care and public services.
- 5. Software Engineering, Information System, Computational Modelling** (Chairs: Stuart Perry, UTS, AUS & Quan Thanh Tho, HCMUT, VN): Software development methods, software modelling, software verification, embedded systems, distributed data management, information integration, metadata modelling, e-commerce and business integration solutions.

PAPER SUBMISSION

Authors are invited to submit papers of up to 6 pages, written in English, in PDF format and compliant with the IEEE standard. All papers must be original contributions and not previously published, nor currently under consideration, for publication elsewhere. Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. The Chairs of the Program Committee are not allowed to submit papers to the conference for a fair review process. Papers should be submitted via the EDAS submission system following the author instructions from the conference websites.

Contact TPC Co-chairs for more information: rivf2022@huflit.edu.vn