



IEEE

RIVF 2019

The 2019 IEEE-RIVF International Conference
on Computing and Communication Technologies

<http://www.rivf.net> and <http://rivf2019.udn.vn>



Danang, Vietnam, March 20-22, 2019



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 – 2016 are available at <http://ieeexplore.ieee.org/xpl/conhome.jsp?punumber=1001965>. RIVF 2019 is the 13th conference in this series. The University of Danang (UD) and Danang People's Committee (DPC) are hosting the conference for March 20-22, 2019 in Danang, 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 2019 conference website is located at <http://www.rivf.net> and <http://rivf2019.udn.vn>.

• Honorary chairs

Tran Van Nam, UD President, Vietnam
Vincenzo Piuri, IEEE
Former Vice President

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Nguyen Thanh Thuy, Vietnam
Yo-Sung Ho, Korea

• Program chairs

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• Publication chairs

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• Finance chair

Huynh Thi Tam Thuong, UD
Nguyen Thi Minh Huyen, VNU

• Contact

Nguyen Le Hung, UD
41 Le Duan, Danang, Vietnam
E-mail: nlhung@dut.udn.vn

• Conference organizers

IEEE Vietnam Section
University of Danang

• Technical sponsors

IEEE Communications Society
(pending)
IEEE Computational Intelligence
Society (pending)

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

• **AI, Computational Intelligence and Data Analytics:** 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.

Track chairs: Andrea Tettamanzi (UCA, France), Felde Imre (Obuda University, Hungary), Huynh Thi Thanh Binh (HUST)

• **Communications and Networking:** Network architecture, network protocols and security, quantum networks and communications, parallel and distributed computing, grid and cloud computing, fog/edge computing and networking, mobile and ubiquitous computing, big data systems, security & privacy, internet of things, blockchain, wireless/wireline communications systems, smart city solutions/technologies, advanced communications technologies for 5G and beyond.

Track chairs: Jean-Yves Tigli (UCA, France), Vo Nguyen Quoc Bao (PTIT)

• **Software Engineering and Information Systems:** Software development methods, software system modeling, open source software development, software process, software testing and verification, embedded systems, distributed data management, information integration, domain and metadata modeling, e-commerce and business integration solutions.

Track chairs: Ladjel Bellatreche (ENSMA, France), Ioannis Parisis (Grenoble INP, France)

• **Image, Language and Speech Processing:** Natural language processing, language and speech processing, speech production and perception, language modeling, speech analysis and synthesis, speech enhancement, human-computer interface and interaction, multimedia, image processing, information visualization.

Track chairs: Paulo Quaresma (University of Evora, Portugal), Do Nang Toan (VNU)

• **Computational Science:** Inference engine, modeling, simulation, virtual reality, scheduling, service science, human-computer interface, intelligent agriculture and tourist, optimization, data visualization, bioinformatics, fintech.

Track chairs: Myriam Lamolle (University of Paris 8, France), Julien Deantoni (UCA, France), Le Hoai Bac (HCMUS)

• 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 (http://www.ieee.org/conferences_events/conferences/publishing/templates.html). 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 through the EasyChair conference submission system at <https://easychair.org/conferences/?conf=rivf2019>.

• Important dates

- **September 30, 2018:** Paper submission deadline

- **October 30, 2018:** Extended deadline

- **December 22, 2018:** Acceptance notification

- **January 10, 2019:** Camera-ready paper submission and author registration

- **March 20-22, 2019:** Conference days

RIVF conferences: Francophone Institute for Informatics (IFI), Hanoi (2003, 2004), Cantho University (2005), HoChiMinh City University of Technology (2006), Hanoi University of Science and Technology (2007), HoChiMinh City University of Science (2008), Danang University of Science and Technology (2009), VNU University of Science and IOIT (2010), HoChiMinh City University of Technology (2012), VNU University of Engineering and Technology (2013), Cantho University (2015), and ThuyLoi University (2016). The RIVF conference series website is located at <http://www.rivf.net>.