

Hà Nội, ngày 03 tháng 02 năm 2023



THƯ MỜI VIẾT BÀI HỘI THẢO KHOA HỌC QUỐC TẾ

“Kỹ nghệ Tri thức và Hệ thống” (Knowledge and Systems Engineering - KSE 2023)

Kính gửi: *Trưởng Đại học Hùng Vương*.....

Hội thảo khoa học Quốc tế “Kỹ nghệ Tri thức và Hệ thống” (KSE) lần thứ XV là một trong ba hội thảo có uy tín cao thuộc lĩnh vực Công nghệ thông tin được tổ chức thường niên tại Việt Nam và một số quốc gia trên thế giới. Kỳ yếu Hội thảo được đăng tải trên IEEE Explore - hệ thống thư viện điện tử có uy tín cao, được tham khảo và trích dẫn nhiều trong các nghiên cứu thuộc lĩnh vực Công nghệ điện tử và Công nghệ thông tin.

Năm 2023, Hội thảo KSE tổ chức tại Học viện Kỹ thuật mật mã - Ban Cơ yếu Chính phủ phối hợp cùng Đại học Công nghệ - Đại học Quốc gia Hà Nội, Viện Khoa học Công nghệ tiên tiến Nhật Bản, Câu lạc bộ Khoa - Trường - Viện Công nghệ Thông tin - Truyền thông Việt Nam và các cơ quan khoa học, các nhà khoa học từ các Viện nghiên cứu, các trường đại học trong và ngoài nước.

Thay mặt Ban tổ chức hội thảo, Học viện Kỹ thuật mật mã kính mời và mong nhận được sự quan tâm, tham gia viết bài của Quý Trường/Viện và các nhà khoa học, nhà nghiên cứu trong và ngoài nước để hội thảo thành công tốt đẹp.

Thông tin chi tiết về Hội thảo như sau:

Thời gian gửi bài:

- Thời gian nhận bài viết: 15/6/2023
- Thời gian thông báo chấp nhận: 30/7/2023

Thời gian Hội thảo: Ngày 18 - 20 tháng 10 năm 2023

Địa điểm: Học viện Kỹ thuật mật mã,

141 đường Chiến thắng, Tân Triều, Thanh Trì, Hà Nội.

Website Hội thảo: <http://kse2023.actvn.edu.vn/>

Email hội thảo: kse2023@actvn.edu.vn hoặc kse.act.2023@gmail.com

Mọi thông tin chi tiết về Hội thảo xin vui lòng liên hệ:

- TS. Vũ Thị Đào - Phó Viện trưởng, Viện Nghiên cứu ứng dụng KH&CN
- SĐT: 0982151982.

Trân trọng!

GIÁM ĐỐC

Hoàng Văn Thúc

KSE 2023

HONORARY CHAIRS

Yukari Nagai, JAIST, Japan
Hoang Van Thuc, ACT, Vietnam
Nguyen Viet Ha, VNU-UET, Vietnam
Nguyen Thanh Thuy, FISU

GENERAL CHAIRS

Nguyen Le Minh, JAIST, Japan
Le Sy Vinh, VNU-UET, Vietnam
Bui Thu Lam, ACT, Vietnam

PROGRAM CHAIRS

Satoshi Tojo, JAIST, Japan
Tu Nguyen, Kennesaw State University, USA
Nguyen Trung Thanh, LJMU, UK
Huynh Thi Thanh Binh, HUST, Vietnam

LOCAL ORGANISING COMMITTEE

Vu Thi Dao, ACT, Vietnam (Chair)
Nguyen Chung Tien, ACT, Vietnam
Dao Ba Anh, ACT, Vietnam
Vuong Thi Hai Ha, ACT, Vietnam

The 15th IEEE International Conference on KNOWLEDGE AND SYSTEMS ENGINEERING (KSE 2023)



LOCAL INFORMATION

Hanoi's historic heart, the 'Old Quarter', is home to over 1000 years of trade, commerce and activity, with no signs of slowing down. Although its name tends to evoke images of ancient lamp-lit streets lined with the wooden storefronts of traditional artisans, merchants and craftspeople, you'll find the reality of the Old Quarter more gritty than romantic. In spite of this, the Old Quarter is what Hanoi is all about and adjusting your expectations will help you make the most of your time here.

CONTACT US FOR INFORMATION



<http://kse2023.actvn.edu.vn/>



kse2023@actvn.edu.vn



141 Chien Thang, Tan Trieu, Thanh Tri,
Hanoi, Vietnam



(+84) 982 15 1982

KSE 2023
Hanoi, Vietnam
October 18 - 20, 2023

KNOWLEDGE AND SYSTEMS ENGINEERING 2023

PRESENTATION

The 15th IEEE International Conference on Knowledge and Systems engineering (KSE 2023) will be held on October 18-20, 2023 in Hanoi, Vietnam.

KSE 2023 is co-organized by the Academy of Cryptography Techniques (ACT) and VNU University of Engineering and Technology (VNU-UET), endorsed by Japan Advanced Institute of Science and Technology (JAIST) and Vietnam Club Faculties Institutes Schools Universities of ICT (FISU).

The main objective of KSE is to bring together researchers, practitioners and students not only to share research results and practical applications but also to foster collaboration in the field.

PUBLICATIONS

The conference proceedings will be published by IEEE (pending) and be available at the conference.

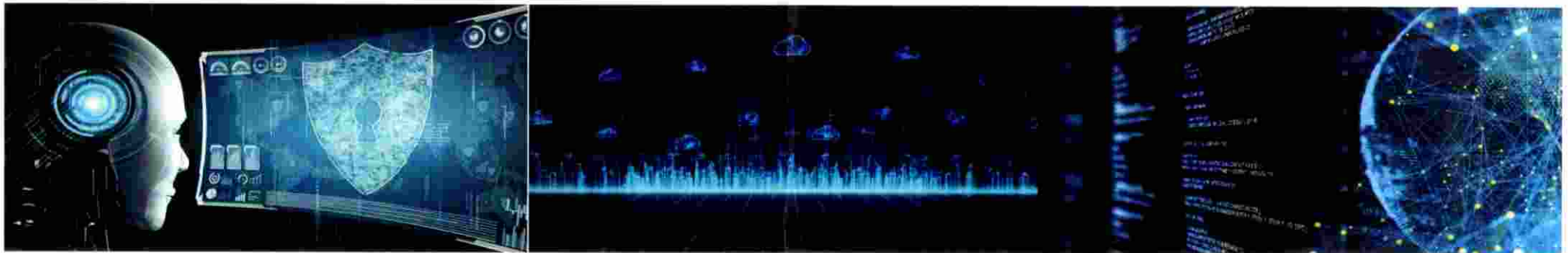
Along with the main conference, KSE this year will also invite submissions to special sessions. The list of special sessions will be available online soon. The submissions will be peer-reviewed by at least three reviewers based on the article's originality, scientific quality and technical quality. The proceedings will be submitted to IEEE, DBLP and other online digital libraries. Accepted papers will be selected to be published in high-ranked journals in ISI/SCOPUS.

CALL FOR SPECIAL SESSION

The KSE 2023 invites proposals for Special Sessions to be held during the conference.

Proposals should be sent by e-mail to Special Session Chairs: Dr Phan Viet Anh, Email: anhpv@lqdtu.edu.vn with following information:

- Title, aim and scope of the special session
- Brief profiles of special session organizers
- A list of potential contributors
- General description of the special session



CALL FOR PAPER

The KSE 2023 invites all researchers and practitioners to submit a paper (limited to 6 pages, papers should follow the LaTeX series format). Topics of interest include the following but are not limited to:

- **Knowledge management, representation, and reasoning**
- **Machine learning theory and applications**
- **Data science and knowledge engineering**
- **Natural language processing and text mining**
- **Image processing and pattern recognition**
- **Data and information fusion**
- **Bioinformatics and computational biology**
- **Human machine interaction**
- **System engineering**
- **Software engineering**
- **Web services**
- **Internet of things**
- **Cloud computing**
- **Cryptography & Cyber security**

CALL FOR ABSTRACT

The KSE 2023 invites authors to submit an abstract (1 page) for consideration.

Accepted abstracts will be published in an Abstract Book and will be orally presented at the conference.

Authors of an accepted abstract can submit their corresponding paper to post-conference special issues.

IMPORTANT DATES

Special session proposal	April 30, 2023
Paper submission	June 15, 2023
Notification of Acceptance	July 30, 2023
Registration Deadline	September 30, 2023
Conference Period	October 18-20, 2023

The 15th IEEE International Conference on KNOWLEDGE AND SYSTEMS ENGINEERING (KSE 2023)

October 18-20, 2023, Hanoi, Vietnam

Homepage: <http://kse2023.actvn.edu.vn/>

The 15th IEEE International Conference on Knowledge and Systems engineering (KSE 2023) will be held on October 18-20, 2023 in Hanoi, Vietnam.

KSE 2023 is co-organized by the Academy of Cryptography Techniques (ACT) and VNU University of Engineering and Technology (VNU-UET), endorsed by Japan Advanced Institute of Science and Technology (JAIST) and Vietnam Club Faculties Institutes Schools Universities of ICT (FISU).

KSE 2023 is an international forum for the presentation, discussion, and exchange of state-of-the-art research, development, and applications in the field of knowledge and systems engineering. The main objective of KSE is to bring together researchers, practitioners and students not only to share research results and practical applications but also to foster collaboration in the field. KSE this year will be held in Ha Noi, the capital city of Vietnam with many historical and cultural sites and activities.

PUBLICATIONS

The conference proceedings will be published by **IEEE** (pending) and be available at the conference. Along with the main conference, KSE this year will also invite submissions to special sessions. The list of special sessions will be available online soon. The submissions will be peer-reviewed by at least three reviewers based on the article's originality, scientific quality and technical quality. The proceedings will be submitted to IEEE, DBLP and other online digital libraries. Accepted papers will be selected to be published in **high-ranked journals in ISI/SCOPUS**.

LOCAL INFORMATION

Hanoi's historic heart, the 'Old Quarter', is home to over 1000 years of trade, commerce and activity, with no signs of slowing down. Although its name tends to evoke images of ancient lamp-lit streets lined with the wooden storefronts of traditional artisans, merchants and craftspeople, you'll find the reality of the Old Quarter more gritty than romantic. In spite of this, the Old Quarter is what Hanoi is all about and adjusting your expectations will help you make the most of your time here. Consistently ranked among the world's top 20 destinations by TripAdvisor, Hanoi has everything you need for a great stay.

IMPORTANT DATES

Special session proposal: April 30, 2023
Paper submission: June 15, 2023
Notification of Acceptance: July 30, 2023
Registration Deadline: September 30, 2023
Conference Dates: October 18-20, 2023

HONORARY CHAIRS

Yukari Nagai, JAIST, Japan
Hoang Van Thuc, ACT, Vietnam
Nguyen Viet Ha, VNU-UET, Vietnam
Nguyen Thanh Thuy, FISU

GENERAL CHAIRS

Nguyen Le Minh, JAIST, Japan
Le Sy Vinh, VNU-UET, Vietnam
Bui Thu Lam, ACT, Vietnam

PROGRAM CHAIRS

Satoshi Tojo, JAIST, Japan
Tu Nguyen, Kennesaw State University, USA
Nguyen Trung Thanh, LJMU, UK
Huynh Thi Thanh Binh, HUST, Vietnam

PUBLICITY CHAIRS

Phan Xuan Hieu, VNU-UET, Vietnam
Teeradaj Racharak, JAIST, Japan
Su Nguyen, LaTrobe University, Australia

SPECIAL SESSION CHAIRS

Tran Dang Hung, HNUE, Vietnam
Phan Viet Anh, LQDTU, Vietnam

PUBLICATION CHAIRS

Pham Duy Trung, ACT, Vietnam
Vo Dinh Hieu, VNU-UET, Vietnam

LOCAL ORGANISING COMMITTEE

Vu Thi Dao, ACT, Vietnam (Chair)
Dao Ba Anh, ACT, Vietnam
Nguyen Chung Tien, ACT, Vietnam
Vuong Thi Hai Ha, ACT, Vietnam
Nguyen Van Son, VNU-UET, Vietnam

FINANCIAL COMMITTEE

Vu Thi Dao, ACT, Vietnam
Tran Trong Hieu, VNU-UET, Vietnam
Tran Thi Hoa, ACT, Vietnam
Hoang Thanh Nam, ACT, Vietnam
Le Khac Vinh, ACT, Vietnam

CALL FOR PAPER

KSE 2023 invites all researchers and practitioners to submit a paper (should not exceed 6 pages, Papers should follow the LaTeX series format) for consideration. We encourage all types of contributions including theory, algorithms, and applications, particularly in emergent domains such as Machine learning, Data Science, Cyber Security, Internet of things, etc.

Topics of interest include the following but are not limited to:

- **Knowledge management, representation, and reasoning**
- **Machine learning theory and applications**
- **Data science and knowledge engineering**
- **Natural language processing and text mining**
- **Image processing and pattern recognition**
- **Data and information fusion**
- **Bioinformatics and computational biology**
- **Human machine interaction**
- **System engineering**
- **Software engineering**
- **Web services**
- **Internet of things**
- **Cloud computing**
- **Cryptography & Cyber security**

We look forward to seeing you in KSE 2023, Hanoi, Vietnam.

Sincerely yours,

On behalf of KSE 2023 Organizing Chair