

广西人工智能学会

桂智会字（2024年）24号

Notice on Holding the 14th International Symposium on Digital Home (ISDH 2024)

To all members, relevant units, and scientific and technological workers:

The development of digital home technology is a trend of information penetration and integration into daily life. A large number of digital media devices and content have been applied to homes and daily life. The growth of media content and bandwidth has stimulated the production, editing, transmission, and display of media content, bringing enormous opportunities and challenges to researchers and application developers.

The 14th International Symposium on Digital Home (ISDH 2024), with the theme of "Digital Home, Intelligent Life", will showcase the technological progress and research achievements of digital applications in daily life. It will be held in Guilin, Guangxi from November 1st to November 3rd, 2024. The conference includes invited presentations, oral presentations, group discussions, and posted reports. The accepted papers will be

included in the IEEE Xplore library (EI) after being reviewed by IEEE. The submission deadline is October 20th.

See the conference website <http://isdh2024.cn/>. We sincerely invite experts and scholars to share your research achievements with the industry and explore the forefront of the field!

A. Meeting Name

14th International Seminar on Digital Home (ISDH 2024)

B. Conference organization

Host

- Guangxi Association for Artificial Intelligence

Co-Host

- Guilin University Of Electronic Technology
- Dalian University of Technology
- Sun Yat-sen University
- Guangxi University
- Hefei University of Technology
- Guilin Huigu Institute of AI Industrial Technology
- Guilin Intelligent Industrial Park Co., Ltd
- Guangxi Normal University
- Guilin University of Technology
- Satellite Navigation Positioning and Location Service
National Joint Engineering Center
- Guangxi Key Lab of Human-machine Interaction and
Intelligent Decision

- Binary Information Press

co-organizer

- Guangxi Mosasaur Technology Co.,Ltd

C. Time and place of the meeting

Date: Nov. 01- Nov. 03, 2024

Name of venue where the conference will be held: Guilin Grand Residence Hotel

Address of venue: No. 2, Zhongyin Rd., Xiufeng District, Guilin, China

D. Solicited Topics

The Symposium topics include, but are not limited to:

Track 1: IoT-based Digital Home(DH) Enabling Technologies

- Actuator and acting technologies
- Low power and energy harvesting
- Real-time systems for DH
- Streaming processing for DH
- DH big data analytics
- Cloud/fog/edge computing for DH
- Embedded middleware design
- Cloud/fog/edge computing resource scheduling strategy for DH

Track 2: DH Services and Intelligence

- Big data platforms for DH

- Big data management for DH
- Machine learning for DH
- Artificial intelligence for DH
- Semantic computing for DH
- DH security, privacy and trust
- Quality of data/service for DH
- Data privacy for DH
- Novel DH data processing systems

Track 3: Multimedia technique for DH

- Image-based modeling
- Scene analysis
- Stereo and Structure from motion
- Feature extraction, grouping and segmentation
- Object recognition
- Learning and Statistical methods
- Human-computer interaction
- Tracking and surveillance

Track 4: Underwater Robot

- Nonlinear systems and control
- Robust control and control system
- Fuzzy control and fuzzy system
- Underwater image processing
- Fault diagnosis and reliable control
- Intelligent perception and information fusion

- Signal processing
- Navigation and guidance
- Intelligent manufacturing and industrial intelligence

Track 5: biochip

- New principles and methods of biosensing
- Microfluidic system
- Organ-on-a-chip, micro-physiological system
- high-throughput screening technology
- bioinformatics
- biochip for Multi-field applications, e.g.environmental monitoring, breeding industry

E. Registration and Notes

The registration fee covers paper acceptance and publication fee, all technical sessions, program materials.

- Registration deadline: Sep.25,2024(Paper will not be included in proceedings after registration deadline.)
- Please include your "isdh2024 + Paper No. + participant's name" in the remittance
- The remittance service charge shall be borne by the payer
- If the registration is cancelled and a refund is required, please inform the Organizing Committee in writing and deduct the relevant expenses
- Offline transfer and remittance

Payee unit:广西沧龙科技有限公司

Collection account:45050160435200001391

Bank of Deposit:中国建设银行股份有限公司南宁长堽路支行



- After remittance, please scan or take photos of the remittance voucher and send it to the email by : icdhadmin@163.com , Please indicate "isdh2024 + Paper No. + participant's name" in the email title. Send the invoice information to the email together !
- If you have any question about payment, please contact icdhadmin@163.com

• Registration fee and paper publication fee

ISDH 2024	Before Oct. 25, 2024
Regular paper	RMB 4900
Extra pages	RMB 400/page
Attendee	RMB 2800

F. Contact information

- Name of the contact person at the venue: Mr. Dawei Luo

- Telephone number of the contact person at the venue: +86
18375122391
- Email of the contact person at the venue: ICDH2024@126.com

Welcome all members, enterprises and institutions, and applicants for scientific and technological work to attend the conference!

广西人工智能学会
2024年8月15日