



WI-IAT 2025 Workshop/Special Session Proposal Template

Heading

- Title of the workshop/special-session and acronym

Web Intelligence for Human Interaction (WIFHI)

- Proposed duration (half-day or full-day)

Full-day

- Workshop/special session (co-)chair(s) name, affiliation and e-mail address

- Prof Hongying Meng, Brunel University London, UK, Email: Hongying.meng@brunel.ac.uk
- Prof Yukio Ohsawa, The University of Tokyo, Japan, Email: ohsawa@sys.t.u-tokyo.ac.jp
- Prof Xu Zhang, Chongqing University of Posts and Telecommunications, Chongqing, China, E-mail: zhangx@cqupt.edu.cn
- Prof. Sae Kondo (Mie University and The University of Tokyo, Japan. Email: skondo@climcore.rcast.u-tokyo.ac.jp)

- Short CV of (co-)chair(s) including past experience in organizing workshops/special session and/or related events

Professor Hongying Meng has organized the 6th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2020) in 2020 as one of the general chair. He is currently organizing 2025 6th International Conference on Computer Vision and Data Mining (ICCVDM 2025) as a general chair as well. In 2018, He successfully organized “Holoscopic Micro-Gesture Recognition Challenge (HoMGR 2018) workshop at IEEE FG2018 conference as the leading chair. He has also organized “Workshop on Recognition, Treatment and Management of Pain and Distress, and the EmoPain Behaviour Recognition Challenge” at ACII 2019 conference. He is the special session chair of ACII2021 conference. He is also one of the organizer of “EMOPAIN Challenge 2020: Multimodal Pain Evaluation from Facial and Bodily Expression” at ACII2020 conference.

Prof Yukio Ohsawa is a leading expert in data-interactive innovation, chance discovery, and knowledge-system design. He was awarded the Fellowships from Web Intelligence Academy (WIA, 2024), Asia-Pacific Artificial Intelligence Association (AAIA, 2024), and International Artificial Intelligence Industry Alliance (AIAA, 2022).

Prof Xu Zhang has organized the International Conference on Future Information Technology(FutureTech 2023/2024/2025), and International Conference on Multimedia and Ubiquitous Engineering(MUE 2023/2024). In 2025, he has organized the 11th International Joint Conference on Rough Sets (IJCRS 2025) .

Associate Professor Sae Kondo is a researcher specializing in community and social systems engineering with a focus on participatory urban planning, living labs, and the integration of data-driven methods into community development. Her work centers on reimagining urban development by emphasizing human-centric approaches.

Introduction

- Abstract: one paragraph describing the workshop/special-session purpose (max. 200 words)

Web intelligence with human interaction is a rapidly evolving and highly dynamic field that seeks to create smarter, more responsive web systems tailored to meet individual user needs and preferences. By harnessing cutting-edge technologies such as artificial intelligence, machine learning, data mining, and natural language processing, these systems can analyze and interpret user behaviors, preferences, and intentions in real-time. This capability enables the development of personalized recommendations, adaptive user interfaces, and intelligent virtual assistants that can proactively anticipate and respond to user demands more effectively and seamlessly.

Furthermore, web intelligence significantly enhances the overall human-computer interaction experience by allowing users to communicate with web systems using natural, conversational language rather than relying on rigid menus or commands. This makes the interaction more intuitive, accessible, and less technical, encouraging broader usability across diverse user groups. For instance, users can pose complex questions or commands in natural language and receive

precise, context-aware responses, which fosters a more engaging and human-like exchange. This approach not only improves operational efficiency but also promotes inclusivity, empowering users to access and utilize web-based services more easily. Overall, integrating web intelligence with human interaction aims to create a more intelligent, personalized, and user-friendly digital environment that adapts fluidly to individual needs and enhances overall satisfaction.

- Scope and topics of the workshop/special session

The scope and topics of the workshop include, but not limit to the followings:

1. Development of Smarter, Responsive Web Systems
2. Application of Artificial Intelligence, Machine Learning, and Data Mining
3. Real-Time Understanding of Human Behaviors, Preferences, and Intentions
4. Personalized Recommendations and Adaptive User Interfaces
5. Design of Intelligent Virtual Assistants
6. Natural Language Processing for Human-Computer Communication
7. Enabling Natural, Conversational User Interactions
8. Improving Accessibility and Usability of Web-Based Services
9. Creating Human-Like, Engaging Interactions
10. Enhancing Inclusivity and User Satisfaction through Intelligent Systems
11. Intent-Based Cognitive Networking and Reasoning
12. Human-AI Interaction for Autonomous Driving

Motivation and Rationale

- Why the workshop/special session is related to WI-IAT 2025

Human interaction with Web is one of the key aspect of Web intelligence. This is strongly related to this conference

- Why the topic is timely and important

This is a very interesting research area and there should be lots of developments in this particular area.

- Why the workshop/special session may attract a significant number of submissions of good quality

There should be lots of new research and developments in this particular area.

- Why the workshop/special session may attract a large number of attendees, in addition to the authors

Human interaction is key for Web Intelligence. New development in this field should be very attractive for a large number of attendees.

- Why the workshop/special session differs from others

This is a particular field.

- Related workshops and conferences of similar topics

Not found

Workshop /Special Session Details

- Tentative committee lists (organizers, program committee, etc.)
 - Prof Hongying Meng (Brunel University London, UK. Hongying.meng@brunel.ac.uk)
 - Prof Yukio Ohsawa (The University of Tokyo, Japan, ohsawa@sys.t.u-tokyo.ac.jp)
 - Prof Xu Zhang (Chongqing University of Posts and Telecommunications, China, zhangx@cqupt.edu.cn)
 - Associate Professor Sae Kondo (Mie University and The University of Tokyo, Japan. skondo@climcore.rcast.u-tokyo.ac.jp)
 - Prof. Byung Seok Shin (Inha University, bsshin@inha.ac.kr)
 - Prof. Yan Li (Inha University, leeyeon@inha.ac.kr)
 - Prof. Byung Hyung Kim (Inha University, bhyung@inha.ac.kr)
 - Prof. Sungeun Hong (Sungkyunkwan University, csehong@skku.edu)
 - Prof. Gyeongbae Kim (Seowon University, gbkim@seowon.ac.kr)
 - Prof. Dongen Guo (Nanyang Institute of Technology, gden_2008@126.com)
 - Associate Prof. Jinzhuo Liu (Yunnan University, liujinzhuo@ynu.edu.cn)
- Expected number of participants and the expected number of submissions
We expect more than 20 high-quality paper submissions and anticipate more than 20 participants.
- A short list of potential authors that are expected to submit papers to the workshop/special session
 - Byung Seok Shin (Inha University, bsshin@inha.ac.kr)
 - Yan Li (Inha University, leeyeon@inha.ac.kr)
 - Qingyu Tan (Inha University, 123456tqyyang@gmail.com)
 - Ji On Kim (Inha University, 3161508@gmail.com)
 - Sang Yeun Yoon (Inha University, sangyeunyoonyoon@inha.edu)
 - Jae Hyeong Kim (Inha University, wogudkim@gmail.com)
 - Ja-Yeon Kim (Inha University, 22231126@inha.edu)
 - Prof. Byung Hyung Kim (Inha University, bhyung@inha.ac.kr)
 - Hanyu Li (Inha University, lihanyu@inha.ac.kr)

- In-Kyung Lee (Inha University, 9ruddls3@inha.ac.kr)
- Zhengmao Hua (Inha University, zaynhua@inha.ac.kr)
- Huisu Lim (Inha University, hslim4922@inha.ac.kr)
- Sungeun Hong (Sungkyunkwan University, csehong@skku.edu)
- Youjia Zhang (Sungkyunkwan University, zhangyoujia@skku.edu)
- Soyun Choi (Sungkyunkwan University, sychoi9719@skku.edu)
- Huiling Liu (Sungkyunkwan University, huiling@skku.edu)
- Aecheon Jung (Sungkyunkwan University, kasurashan@skku.edu)
- Gyeongbae Kim (Seowon University, gbkim@seowon.ac.kr)
- Dongen Guo (Nanyang Institute of Technology, gden_2008@126.com)
- Jinzhuo Liu (Yunnan University, liujinzhuo@ynu.edu.cn)
- Sen Zhao (Chongqing University of Posts and Telecommunications, zhaosen@cqupt.edu.cn)
- Hao Wang (Chongqing University of Posts and Telecommunications, haowang@cqupt.edu.cn)
- Liang Yan (Chongqing University of Posts and Telecommunications, d210201030@stu.cqupt.edu.cn)

- A draft call for papers (max 1 page)

Call for Papers: Workshop on Web Intelligence for Human Interaction (WIFHI)

In conjunction with WI-IAT 2025

The **WIFHI 2025** workshop aims to explore the integration of **Web Intelligence** technologies with **human-centric interaction**, including intelligent systems capable of understanding, predicting, and adapting to user behavior in web-based environments.

We invite high-quality submissions on theoretical advances, algorithms, models, systems, and applications related to:

- Development of Smarter, Responsive Web Systems
- Application of Artificial Intelligence, Machine Learning, and Data Mining
- Real-Time Understanding of Human Behaviors, Preferences, and Intentions
- Personalized Recommendations and Adaptive User Interfaces
- Design of Intelligent Virtual Assistants
- Natural Language Processing for Human-Computer Communication
- Enabling Natural, Conversational User Interactions
- Improving Accessibility and Usability of Web-Based Services
- Creating Human-Like, Engaging Interactions
- Enhancing Inclusivity and User Satisfaction through Intelligent Systems
- Intent-Based Cognitive Networking and Reasoning

- Human-AI Interaction for Autonomous Driving

Paper Submission

Submissions must follow the WI-IAT 2025 formatting guidelines. Papers should be 4–6 pages, including references. All submissions will undergo **double-blind peer review**.

Accepted papers will be presented orally or as posters and may be considered for inclusion in the **WI-IAT 2025 proceedings**.

Workshop Chairs

- Prof. Hongying Meng, Brunel University of London, UK
- Prof. Yukio Ohsawa, The University of Tokyo, Japan
- Prof. Xu Zhang, Chongqing University of Posts and Telecommunications, China
- Prof. Sae Kondo (Mie University and The University of Tokyo, Japan).

Contact: hongying.meng@brunel.ac.uk, zhangx@cqupt.edu.cn

- A description of the publicity and promotion plan

To ensure broad visibility and attract high-quality submissions, the WIFHI workshop will be promoted through the following channels:

1. **Conference Channels**
 - o Listing on WI-IAT 2025 official website and CFP distribution.
 - o Inclusion in official program and publicity channels of the main conference.
2. **Social Media**
 - o Promotion via Twitter/X, LinkedIn, and WeChat academic communities.
 - o Posts shared by program committee and organizers to their institutions and networks.
3. **Targeted Invitations**
 - o Invitations to authors of recent impactful papers in human-AI interaction and web intelligence.
4. **Institutional & Industrial Support**
 - o Promotion through affiliations with major AI research labs and university departments.

- Workshop/special session format planned (keynote, expected number of presented papers, invited talks, panels, demonstrations, etc.)

- **Opening mark (10 mins)**
- **1 Keynote Talk (30–45 min)**
A distinguished speaker from academia or industry will present recent advances in intelligent human-web interaction.
- **10–12 Oral Presentations (10–15 min each)**

Selected from peer-reviewed submissions covering core topics.

- **Lunch break**
- **1 Invited Talk (30 min)**
Featuring an industry practitioner or thought leader on real-world challenges and opportunities.
- **Poster/Demo Session (40 mins)**
For additional accepted works and system demonstrations
- **Communication Salon (60 mins)**
The participants will propose new elements and carry some map visualizing the connectivities among essential element technologies for Web Intelligence and have the participants put new ideas -- simply talking with putting stickers on the map
- **Panel Discussion (30 min)**
Themed "Towards More Human-Centered Web Intelligence" involving invited experts and audience participation.

Tentative Internal and External Schedule (Except adjustments by the Chairs to align all workshop/special session schedules)

- Submission deadline

15th July, 2025

- Review deadline

15th August, 2025

- Acceptance deadline

30th August, 2025

- Camera ready

20th September, 2025

- Program ready

15th October, 2025