RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

TCII Sponsored Conferences

WI-IAT 2025
The 24th IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology
London, United Kingdom
November 15-18, 2025
TBA

The International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT), for some time the International Conference on Web Intelligence (WI)1), the co-located International Conference on Web Intelligence (WI) and International Conference on Intelligent Agent Technology (IAT), and initially the Asia-Pacific Conference on Web Intelligence (WI) and the Asia-Pacific Conference on Intelligent Agent Technology (IAT), aims to achieve a multi-disciplinary balance between research advances in theories and methods usually associated with Collective Intelligence, Data Science, Human-Centric Computing, Knowledge Management, and Network Science. It is committed to addressing research that both deepen the understanding of computational, logical, cognitive, physical, and social foundations of the future Web, and enable the development and application of technologies based on Web intelligence.

WI-IAT is mainly sponsored by the Web Intelligence Consortium (WI), the Institute of Electrical and Electronics Engineers (IEEE Computer Society, Technical Community on Intelligence Informatics; since 2003), and previously by the Association for Computing Machinery (ACM Special Interest Group on Artificial Intelligence; 2013-2022)

The 2025 IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'25) provides a premier international forum to bring together researchers and practitioners from diverse fields for presentation of original research results, as well as exchange and dissemination of innovative and practical development experiences on Web intelligence and intelligent agent technology research and applications. Academia, professionals and industry people can exchange their ideas, findings and strategies in deepening the understanding of all Web's entities, phenomena, and developments in utilizing the power of human brains and man-made networks to create a better world and intelligent societies. WI-IAT aims to achieve a multi-disciplinary balance between research advances in theories and methods usually associated with collective intelligence, data science, human-centric computing, knowledge management, network science, autonomous agents and multi-agent systems.

This year's conference will take place in London, United Kingdom on November 15-18, 2025. The conference theme, host and program will be announced soon. Please check for the conference website when it goes online for further information about the program, venue and attendance.

IEEE ICDM 2025
The 25th IEEE International Conference on Data Mining
Washington DC, USA
November 12-15, 2025
https://www3.cs.stonybrook.edu/~icdm2025/

The IEEE International Conference on Data Mining (ICDM) has established itself as the world's premier research conference in data mining. It provides an international forum for sharing original research results, as well as exchanging and disseminating innovative and practical development experiences. The conference covers all aspects of data mining, including algorithms, software, systems, and applications. ICDM draws researchers, application developers, and practitioners from a wide range of data mining related areas such as big data, deep learning, pattern recognition, statistical and machine learning, databases, data warehousing, data visualization, knowledge-based systems, high-performance computing, and large models. By promoting novel, high-quality research findings, and innovative solutions to challenging data mining problems, the conference seeks to advance the state-of-the-art in data mining.

Topics of interest at this year's conference include, but are not limited to: foundations, algorithms, models and theory of data mining, including big data mining; deep learning and statistical methods for data mining; mining from heterogeneous data sources, including text, semi-structured, spatio-temporal, streaming, graph, web, and multimedia data; data mining systems and platforms, and their efficiency, scalability, security and privacy; data mining for modelling, visualization, personalization, and recommendation; data mining for cyber-physical systems and complex, time-evolving networks; and applications of data mining in social sciences, physical sciences, engineering, life sciences, web, marketing, finance, precision medicine, health informatics, and other domains. ICDM 2025 also encourages submissions in emerging topics of high importance such as ethical data analytics, automated data analytics, data-driven reasoning, interpretable modeling, modeling with evolving environments, multi-modal data mining, and heterogeneous data integration and mining.

Authors are invited to submit original papers, which have not been published elsewhere and which are not currently under consideration for another journal, conference or workshop. Paper submissions should be limited to a maximum of ten (10) pages, in the IEEE 2-column format (https://www.ieee.org/conferences/publishing/templates.html), including the bibliography and any appendices. Submissions longer than 10 pages will be rejected without review. All submissions will be triple-blind reviewed by the Program Committee based on technical quality, relevance to the scope of the conference, originality, significance, and clarity. Please see the conference website for more information about the triple-blind review process.

The current call for full papers has a submission deadline of June 6, 2025. All submission deadlines are end-of-day in the Anywhere on Earth (AoE) time zone. Authors will be notified on August 25, 2025. Manuscripts must be submitted electronically through the online

submission system on the conference website.

ICDM is a premier forum for presenting and discussing current research in data mining. Therefore, at least one author of each accepted paper must complete the conference registration and present the paper at the conference, in order for the paper to be included in the proceedings and program. This year's conference is located in Washington DC, USA. Please check the conference website regularly for updates about registration and submission guidelines. For queries regarding ICDM 2025, please contact icdm2025chairs@gmail.com

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ICHI 2025
The 13th IEEE International Conference on Healthcare Informatics
Rende, Cosenza, Italy
June 18-21, 2025
https://events.dimes.unical.it/ichi2025/

ICHI 2025 is a premier community forum concerned with the application of computer science, information science, data science, and informatics principles, as well as information technology, and communication science and technology to address problems and support research in healthcare, medicine, life science, public health, and everyday wellness. The conference highlights the most novel technical contributions to stakeholder-centered technology innovation for benefiting human health and the related social and ethical implications. ICHI 2025 will feature keynotes, a multi-track technical program including papers, posters, panels, workshops, tutorials, an industrial track, and a doctoral consortium.

IEEE-ICHI is dedicated to advancing areas such as artificial intelligence (AI), machine learning (ML), foundational principles of computer and information sciences and technology, communication technology to address challenges and problems in healthcare, and everyday wellness. Journal of Healthcare Informatics Research highlights novel, cutting-edge contributions in computing for the healthcare informatics research community. It covers three major tracks: Analytics, focusing on advancing AI/ML-based decision support, generative AI, data analytics, knowledge discovery, and predictive modeling for healthcare research; Systems, focusing on building and deploying novel healthcare informatics systems (e.g., architecture, framework, design, engineering, and application); and Human factors

(Human-centered Computing), focusing on intelligent communication with healthcare stakeholders (e.g., doctors, nurses, and patients), adaptive interface design for healthcare systems, user experiences of healthcare informatics applications, and understanding and motivating health behavior. By addressing these areas, IEEE-ICHI aims to bridge the gap between healthcare and information technology, fostering interdisciplinary collaboration and development of novel methods to improve patient outcomes and public health.

When submitting papers, the authors must select a track that is most appropriate for their submission. For example, a paper on information systems for healthcare delivery can be submitted to either the Systems track, or the Human Factors track, depending on the focus of the work. Before a submission is sent to the reviewers, the program chairs will also perform an assessment to determine the best fit for the submission. The conference will accept both regular and short papers. Regular papers (8-10 pages, references not counted towards the page limit) must describe mature ideas, where a substantial amount of implementation, experimentation, or data collection and analysis has been completed.

Short papers (4-6 pages, excluding references) will describe innovative ideas, where preliminary implementation and validation work have been conducted. ICHI uses double-blind reviewing for full and short papers, submissions should therefore be anonymized and all references and links disclosing the authorship should be blinded appropriately. Please check the conference webpage for the link to the submission site. In the current call for papers, the regular submission deadline for long and short papers is January 7, 2025. The notification of acceptance to authors will be March 13, 2025, with camera-ready copies due by Mar 28th, 2025. All paper submissions must adhere to the IEEE Proceedings Format.

For publication opportunities as posters, demos, or in the industry track, for workshops, tutorials, and the doctoral consortium see the respective other calls. The campus of UniCal (University of Calabria) and the conference center "Beniamino Andreatta" inside the UniCal campus will host the IEEE ICHI 2025 conference. Most hotels are located within a walking distance (3-4 minutes) from the Rende train station. Please check the conference website regularly for registration information.

IEEE BigData 2025
The 2025 IEEE International Conference on Big Data
Macau, China
December 8-11, 2025
https://bigdataieee.org/BigData2025/index.html

In recent years, "Big Data" has become a new ubiquitous term. Big Data is transforming science, engineering, medicine, healthcare, finance, business, and ultimately our society itself. The IEEE Big Data conference series started in 2013 has established itself as the top tier research conference in Big Data. The 2025 IEEE International Conference on Big Data (IEEE BigData 2025) will continue the success of the previous IEEE Big Data conferences. It will provide a leading forum for disseminating the latest results in Big Data Research, Development, and Applications.

IEEE BigData 2025 will solicit high-quality original research papers (and significant work-in-progress papers) in any aspect of Big Data with emphasis on 5Vs (Volume, Velocity, Variety, Value and Veracity), including the Big Data challenges in scientific and engineering, social, sensor/IoT/IoE, and multimedia (audio, video, image, etc.) big data systems and applications. Topics of interest for prospective include (but are not limited to) Big Data Science and Foundations; Big Data Infrastructure; Big Data Management; Big Data Search and Mining; Big Data Learning and Analytics; Data Ecosystem; Foundation Models for Big Data, and Big Data Applications. Each topic has a number of sub-themes and sub-topics relevant to Big Data research and industry. Please check the Call for Papers section of the website for the full list.

This year's Industrial Track solicits papers describing implementations of Big Data solutions relevant to industrial settings. The focus of the industry track is on papers that address the practical, applied, or pragmatic or new research challenge issues related to the use of Big Data in industry. A Government Track welcomes papers discussing the usefulness and need for publicly-contribution big data and open data and their use. Specifically, data utilization scenarios, needs analysis, data utilization obstacle analysis and solutions, data integration processes, interfaces as data utilization solutions, visualization, use cases, evidence-based policy

making, building an ecosystem for solving social issues, analyzing their cases, comparing international and regional differences, and conducting comparative surveys before and after specific events (like Covid-19). Other big data solutions related to national and local governments, and public services are also welcome. For each track, either an extended abstract (2-4 pages) or a full-length paper (up to 10 pages) should be submitted through the online submission page (Industrial & Government Track dedicated page)

The deadline for electronic submission of full papers is August 31, 2025. Notification of paper acceptance is on October 25, and camera-ready versions for accepted papers are on Nov. 15, 2025. Full papers should be formatted to IEEE Computer Society Proceedings Manuscript Formatting Guidelines (see link to "formatting instructions" on the conference website). A full paper is up to 10-page IEEE 2-column format, with reference pages counted in the 10 pages. Papers must be submitted through the online submission system on the conference website.

The conference will be held in Macau, China. Please refer to the website for announcements, details and registration for IEEE BigData 2025.

IEEE ICKG 2025
The 16th IEEE International Conference on Knowledge Graphs (ICKG)
Limassol, Cyprus
December 12-13, 2025
https://cyprusconferences.org/ickg2025/

The annual IEEE International Conference on Knowledge Graph (ICKG) provides a premier international forum for presentation of original research results in knowledge discovery and graph learning, discussion of opportunities and challenges, as well as exchange and dissemination of innovative, practical development experiences. The conference covers all aspects of knowledge discovery from data, with a strong focus on graph learning and knowledge graph, including algorithms, software, platforms. ICKG 2025 intends to draw researchers and application developers from a wide range of areas such as knowledge engineering, representation learning, big data analytics, statistics, machine learning, pattern recognition, data mining, knowledge visualization, high performance computing, and World Wide Web etc. By promoting novel, high quality research findings, and innovative

solutions to address challenges in handling all aspects of learning from data with dependency relationship.

All accepted papers will be published in the conference proceedings by the IEEE Computer Society. Awards, including Best Paper, Best Paper Runner up, Best Student Paper, Best Student Paper Runner up, will be conferred at the conference, with a check and a certificate for each award. The conference also features a survey track to accept survey papers reviewing recent studies in all aspects of knowledge discovery and graph learning. At least five high quality papers will be invited for a special issue of the Knowledge and Information Systems Journal, in an expanded and revised form. In addition, at least eight quality papers will be invited for a special issue of Data Intelligence Journal in an expanded and revised form with at least 30% difference.

ICKG 2025 is looking for papers around topics that include (but are not limited to): foundations, algorithms, models, and theory of knowledge discovery and graph learning; knowledge engineering with big data; machine learning, data mining, and statistical methods for data science and engineering; acquisition, representation and evolution of fragmented knowledge; fragmented knowledge modeling and online learning; knowledge graphs and knowledge maps; graph learning security, privacy, fairness, and trust; interpretation, rule, and relationship discovery in graph learning; geospatial and temporal knowledge discovery and graph learning; ontologies and reasoning; topology and fusion on fragmented knowledge; visualization, personalization, and recommendation of Knowledge Graph navigation and interaction; Knowledge Graph systems and platforms, and their efficiency, scalability, and privacy; applications and services of knowledge discovery and graph learning in all domains including web, medicine, education, healthcare, and business; big knowledge systems and applications; crowdsourcing, deep learning and edge computing for graph mining; large language models and applications; open source platforms and systems supporting knowledge and graph learning; datasets and benchmarks for graphs; neurosymbolic & hybrid AI systems; and Graph Retrieval Augmented Generation.

The conference will also include a survey track for papers reviewing recent study in aspects of knowledge discovery and graph learning. In addition, there are special tracks for each of the

following topics: 01 - KGC and Knowledge Graph Building; 02 - KR and KG Reasoning; 03 - KG and Large Language Model; 04 - GNN and Graph Learning; 05 - QA and Graph Database; 06 - KG and Multi-modal Learning; 07 - KG and Knowledge Fusion; and 08 - Industry and Applications.

Paper submissions should be no longer than 8 pages, in the IEEE 2-column format, including the bibliography and any possible appendices. Submissions longer than 8 pages will be rejected without review. All submissions will be reviewed by the Program Committee based on technical quality, originality, significance, and clarity. Please see the Call for Papers section on the conference website for important information about submission requirements for the survey and special tracks.

Manuscripts must be submitted electronically in the online submission system. No email submission is accepted. To help ensure correct formatting, please use the style files for U.S. Letter as template for your submission. These include LaTeX and Word. The submission deadline for abstract and full paper is July 15, 2025 (AoE). Notification for acceptance/rejection is September 15, 2025, with camera-ready deadline and copyright forms on October 15, 2025.

This year, ICKG 2025 will be held at The St. Raphael Resort in Limassol, Cyprus. Special rates have been secured at a number of different budget hotels for conference participants (please check the Accommodation page on the conference website to book via the online registration system). The early registration deadline is October 29, 2025. For information about the program and registration, please regularly check the conference website for updates.

AAMAS 2025
The 24th International Conference on Autonomous Agents and Multi-Agent Systems
Detroit, Michigan, USA
May 19-23, 2025
https://aamas2025.org/

Autonomous Agents and Multiagent Systems (AAMAS) is the largest and most influential conference in the area of agents and multiagent systems, bringing together researchers and practitioners in all areas of agent technology and