RELATED CONFERENCES, CALL FOR PAPERS/PARTICIPANTS

TCII Sponsored Conferences

WI-IAT 2024
The 23rd IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology
Bangkok, Thailand
December 9-12, 2024
https://www.wi-iat.com/wi-iat2024/

The 2024 IEEE/WIC International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'24) 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. More specifically, the fields of how artificial intelligence is impacting the Web of People, the Web of Data, the Web of Things, the Web of Trust, the Web of Agents, the Web in industry, society, health, and smart living, the Web of Everything, and emerging AIGC in WI-IAT.

The goal of WI-IAT conferences is to provide a global forum for scientists, engineers and educators to present the latest WI-IAT technologies, discuss how to develop future intelligent systems for complex applications. After these years, in 2016, WI-IAT conferences have been merged as one brand (WI'16 in Omaha, USA, WI'17 in Leipzig, Germany, WI'18 in Santiago de Chile, and WI'19 in Thessaloniki, Greece) by redefining and vitalizing the WI aims and topics. In recognition of the strong connection of Web Intelligence and Intelligent Agent Technology, the classic brand of WI-IAT was resumed in 2020. After the great successful online WI-IAT'20, hybrid WI-IAT'21, WI-IAT'22, and WI-IAT'23, WI-IAT'24 will be held in Bangkok, Thailand, and once again, in the hybrid mode. Therefore, the theme of WI-IAT '24 will be: "Web Intelligence = AI in the Connected World".

Web Intelligence and Intelligent Agent Technology (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. 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 intelligent technologies. WI-IAT'24 provides a premier forum and features high-quality, original research papers and real-world applications in all theoretical and technology areas that make up the field of Web Intelligence and Intelligent Agent Technology. WI-IAT'24 welcomes research, and application as well as Workshop and Special-Session proposals and papers. WI-IAT'24 in Bangkok (Thailand) is officially sponsored by IEEE Computer Society Technical Committee on Intelligent Informatics (TCII) and Web Intelligence Consortium (WIC).

WI-IAT'24 will provide a broad forum that 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. WI-IAT'24 is soliciting high-quality original research. Relevant topics include (but are not limited to) the fields of how artificial intelligence is impacting: the Web of People, the Web of Data, the Web of Things, the Web of Trust, the Web of Agents, the Web of Everything, and emerging FAccT in WI-IAT. This year features two special tracks: Web in Industry, Society, Education, Health and Smart Living, and the Web of Everything; and FAccT, LLM and AIGC.

Important dates for WI-IAT'24 include May 15, 2024, the due date for Workshop proposal submissions, and July 15, 2024, as the due date for paper submissions for the main conference. Workshop papers submissions are due by July 30, 2024. Papers must be submitted electronically via CyberChair in standard IEEE Conference Proceedings format (max 8 pages, templates at https://www.ieee.org/conferences/publishing/templates.html). Industry and Demo papers must specify "industry" or "demo" in their title, and they are limited to 4 pages including references. Submitted papers will undergo a peer review process, coordinated by the International Program Committee. Accepted papers will be published in the conference proceedings by IEEE and submitted to EI. Selected WI-IAT'24 papers will be further invited for expansion and publication in Web Intelligence journal and other international journals. Detailed submission guidelines can be found at https://www.wi-iat.com/wi-iat2024/Participant-Submission.html.

The conference also offers Journal publication opportunities for Web Intelligence Journal, Brain Informatics and Natural Language Processing Journal. This year's conference is taking place at the KX Knowledge Exchange Center in Bangkok, Thailand. Workshops and special sessions will run on December 9, ahead of the main conference starting on December 10, 2024. Please refer to the conference website for further information about the venue and attendance.

IEEE ICDM 2024
The 24th IEEE International Conference on Data Mining
Abu Dhabi, UAE
December 9-12, 2024
https://icdm2024.org/

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 2024 particularly 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 possible appendices. There is a current call for papers with a paper submission deadline of June 14, 2024. For further questions regarding the call for papers at ICDM 2024, please email Dr. Mingming Gong: mingming.gong@mbzuai.ac.ae.

The 24th IEEE International Conference on Data Mining (IEEE ICDM 2024) includes half- or full-day workshops that complement the main conference technical program, with the goal of expanding new directions and applications of data mining for both practitioners and researchers in a particular field. Accepted workshops are expected to be held on December 9th, 2024. These workshops provide a more focused, in-depth venue for presentations, discussions and interaction. Each workshop will solicit papers (max 8 pages plus 2 extra pages) for peer review. Furthermore, as in previous years, papers that are not accepted by the main conference will be automatically sent to a workshop selected by the authors when the papers were submitted to the main conference. By the unique ICDM tradition, all accepted workshop papers will be published in the dedicated ICDMW proceedings published by the IEEE Computer Society Press. Please see the conference website for full information about Workshop proposal formats. Workshop proposals should be submitted in plain text or PDF, by email (subject: "IEEE ICDM Workshop proposal") to the Workshops Chairs, Wassim Hamidouche (wassim.hamidouche@tii.ae) and Imran Razzak (imran.razzak@unsw.edu.au). These are due by April 10, 2024, with the workshops taking place prior to the conference on December 9, 2024.

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 conference program. The exact format of the conference (in person, online, or hybrid) will be decided later. Please regularly check the conference website for updates.

This year's conference is hosted by Abu Dhabi. Abu Dhabi is truly a one-of-a-kind destination, unlike anywhere else. The city is vibrant, modern and is known for being the safest city in the world. It's ideally positioned so that half of the world's population is within a five-hour flight. Abu Dhabi's year-round sunshine along with its growing knowledge economy and numerous attractions are all enabling the city to emerge as a popular business hub and a favoured spot for tourists. ICDM 2024 is more than a conference; it's an opportunity to engage with the vibrant community of Abu Dhabi. Whether you're exploring its rich cultural heritage, indulging in local cuisine, or networking with fellow attendees against the backdrop of this stunning city, your experience at ICDM 2024 promises to be unforgettable.

Early-bird Registration Fees are due by September 27，2024 for Non-Authors, or Co-Authors not registering a paper. Registration for the conference closes on October 11, 2024. Please check the conference website regularly for updates about registration.

ICHI 2024
The 12th IEEE International Conference on Healthcare Informatics
Orlando, Florida, USA
June 3-6, 2024
https://ieeeichi2024.github.io/

ICHI 2024 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 2024 will feature keynotes, a multi-track technical program including papers, posters, panels, workshops, tutorials, an industrial track, a doctoral consortium, and a women in healthcare informatics event.

Authors are strongly encouraged to submit their original contributions describing their algorithmic, methodological or empirical contributions, and theories relevant to the broader context of health informatics. Submissions can focus on one or more specific aspects of theory, design, development, evaluation, or deployment. The conference covers three tracks: Analytics, Human Factors and Systems. The Analytics track invites submissions on novel methods for exploring and analyzing healthcare data such as biomedical pattern recognition, biomarker discovery, disease profiling and personalized treatment, natural language processing and text mining, recommender systems, clinical phenotyping, visual analytics, explainability, and epidemiological modeling. For the Human Factors track, contributions in the realm of Human Factors may include empirical studies on the use and needs of health information technology in everyday life, socio-technical studies on the implementation and utilization of health information technology in clinical settings, investigations into the community-level impact and implications of health informatics, design

and evaluative efforts centered on innovative user-centered health information technology, as well as empirical research on public policies that leverage health informatics infrastructures. The Systems track welcomes submissions related to the design, development, deployment, and evaluation of high-performing, privacy-preserving and secure software or hardware systems. In particular, the Systems track invites submissions on the development of large language model (LLM) applications, such as ChatGPT, their utilization in clinical settings, and the strengths and limitations of LLMs in enhancing the efficiency and effectiveness of clinical research, education, and practice.

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. Further information about each track is available on the website. The conference will accept both regular and short papers. Regular papers (10 pages including references) will describe mature ideas, where a substantial amount of implementation, experimentation, or data collection and analysis has been completed. Short papers (6 pages including references) will describe innovative ideas, where preliminary implementation and validation work have been conducted. Paper submissions must adhere to the IEEE Proceedings Format. The deadline for submission of papers is January 31, 2024.

Posters and demos are an excellent way to present innovative ideas, late-breaking work, concepts, work-in-progress, early stages of research, and preliminary results from implementation and validations to academic and industrial audience. These must also fit the three tracks and should be 1-2 pages (excluding references) in the same format as full and short papers. These are also due by January 31, 2024.

Workshops will be held on the day prior to the start of the main program (June 3, 2024) and should address topics relevant to healthcare informatics. This year's conference will include the First Workshop on Applying LLMs in LMICs for Healthcare Solutions; a workshop on Data privacy and data analysis in healthcare systems; The 2nd International Workshop on Ethics and Bias of Artificial Intelligence in

Clinical Applications; Multimodal Representation Learning for Healthcare; Human-Centred XAI: Enhancing AI Acceptability for Healthcare; and The Third International Workshop on Health Informatics Education. Full paper submissions are due by March 21, 2024.

ICHI 2024 also offers a Doctoral Consortium that provides an outstanding opportunity for doctoral students working on health informatics problems to discuss their work in progress and receive feedback and guidance from Consortium mentors. There is also a call for papers for the Industry track where submissions are invited to describe practical implementations of healthcare informatics, and following the success in previous years, a call for tutorial proposals. Tutorials at ICHI 2024 will be presented by domain experts to cover current topics directly relevant to the conference theme of computing-oriented health informatics. A list of topics of interest to ICHI 2024 include health data science, health informatics, innovative technologies and implementation science. Tutorials can be half day (3 hours) or full day (6 hours) in length. Tutorial instructors must make a commitment to prepare tutorial materials (including slides and activities) that reflect the high-quality standard of ICHI. Please check the ICHI 2024 conference website for submission dates for each of these calls.

All submissions will be published in IEEE Xplore and indexed in other Abstracting and Indexing (A&I) databases. Accepted papers have an oral presentation slot at the conference. Selected papers will be invited to submit the extended version to the Journal of Healthcare Informatics Research, and a fast-track review will be conducted for the extended papers. All submissions for papers, posters and demos, workshops, the Doctoral Consortium, Industry track and tutorials must be made through the EasyChair system on the conference website. Please see the conference website for the link.

IEEE BigData 2024
The 2024 IEEE International Conference on Big Data (IEEE BigData 2024)
Washington DC, USA
December 15-18, 2024
https://bigdataieee.org/BigData2024/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 2024 IEEE International Conference on Big Data (IEEE BigData 2024) 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 2024 will cover topics of interest such as 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 covers a number themes and sub-topics relevant to Big Data research and industry.

This year's conference has an Industrial Track, which 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. Both full papers (up to 10 pages) and extended abstracts (2-4 pages) are accepted.

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). We are also looking for other big data solutions related to national and local governments, and public services. 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 fulle papers is September 3, 2024. There is now also a new 'Vision' paper category. Either a full-length paper (up to 10 page IEEE 2-column format, reference pages counted in the 10 pages, or a short Vision paper (up to 5 pages IEEE 2-column format, including references) can be submitted

through the online submission system: https://wi-lab.com/cyberchair/2024/bigdata24/index.php

The conference will be held in Washington DC, USA in 2024. Please refer to the website for announcements, details and registration for IEEE BigData 2024.

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IEEE ICKG 2024
2024 IEEE International Conference on Knowledge Graphs (ICKG)
TBA

Knowledge Graph represents knowledge from heterogeneous, and autonomous information sources for complex and evolving data and structural, semantic and contextual relationships, in addition to domain expertise, embedded in the data. The IEEE International Conference on Knowledge Graph (ICKG) is a premier international forum for presentation of original research results in knowledge graphs' opportunities and challenges, as well as exchange and dissemination of innovative, practical development experiences. The conference covers all aspects of knowledge graphs, including algorithms, software, platforms, and applications for knowledge Graph construction, deployment, maintenance, and inference.

ICKG 2024 draws researchers and application developers from a wide range of knowledge graph related areas such as knowledge engineering, big data analytics, statistics, machine learning, pattern recognition, data mining, knowledge visualization, graph mining, machine learning for graphs, high performance computing, and World Wide Web. By promoting novel, high quality research findings, and innovative solutions to challenging knowledge graph problems, the conference seeks to continuously advance the state-of-the-art in knowledge graphs. ICKG aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Knowledge Graphs. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted in the fields of Knowledge Graphs.

Prospective authors are kindly encouraged to contribute to and help shape the conference

through submissions of their research abstracts, papers and e-posters. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Knowledge Graphs are cordially invited for presentation at the conference.

Please check the conference website when available for details about the format, paper submission and registration.

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AAMAS 2024
The 23rd International Conference on Autonomous Agents and Multi-Agent Systems
Auckland, New Zealand
May 6-10, 2024
https://www.aamas2024-conference.auckland.ac.nz/

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 providing and internationally renowned high-profile forum for publishing and finding out about the latest developments in the field. AAMAS is the flagship conference of the non-profit International Foundation for Autonomous Agents and Multiagent Systems (IFAAMAS). In 2024, AAMAS finally comes to New Zealand as a fully offline conference.

The AAMAS conference series was initiated in 2002 in Bologna, Italy as a joint event comprising the 6th International Conference on Autonomous Agents (AA), the 5th International Conference on Multiagent Systems (ICMAS), and the 9th International Workshop on Agent Theories, Architectures, and Languages (ATAL).

AAMAS 2024 will feature Tutorials, Demos, Competitions, a Doctoral Consortium, a JAAMAS track for presentation of articles that have appeared or been accepted for publication in the Journal of Autonomous Agents and Multi-Agent Systems, and the Blue Sky Ideas special track for visionary ideas, long-term challenges, new research opportunities, and controversial debate. The conference also features a workshop program, to be held on May 6-7, immediately prior to the main program of the AAMAS conference. The objective of the AAMAS 2024 workshop program is to stimulate

and facilitate discussion, interaction, and comparison of approaches, methods, and ideas related to specific topics, both theoretical and applied, in the general area of Autonomous Agents and Multiagent Systems. There is an invitation for workshop proposals, particularly those that focus on emerging topics and applications, open research questions and challenges, and broader topics of interest to the wider community.

The AAMAS Demo track aims to provide opportunities for participants from academia and industry to present their latest developments in agent-based software and robotic systems. Novel applications and interactive systems are particularly welcome. Student researchers are encouraged to submit. Demonstrations of interest include systems implementing agents in real-world applications, systems using agents in virtual settings, and systems supporting the development of agents. There is also a call for Diversity and Inclusion activities. Participation in AI by groups that are underrepresented in computer science is a fraction of what is needed to have an AI workforce that reflects the diversity in society. Diversity has many facets, including race, ethnicity, gender, age, religion, disability, sexual orientation, socioeconomic status, cultural background, and geographic region. AAMAS 2024 invites submissions of proposals for activities that will help broaden participation in the Autonomous Agents and Multiagent Systems field.

This year's venue is the Cordis Hotel in Auckland. Submission for papers were due by October 9 last year and authors were notified on December 20 of 2023. Camera-ready papers are due by February 20, 2024. For information about Visas, accommodation and the venue, please visit the conference website.

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AAAI 2024
The 38th Annual AAAI Conference on Artificial Intelligence
Vancouver, Canada
February 20-27, 2024
https://aaai.org/aaai-conference/

The purpose of the AAAI conference series is to promote research in Artificial Intelligence (AI) and foster scientific exchange between researchers, practitioners, scientists, students, and engineers across the entirety of AI and its affiliated disciplines. AAAI-24 will feature

technical paper presentations, special tracks, invited speakers, workshops, tutorials, poster sessions, senior member presentations, competitions, and exhibit programs, and a range of other activities to be announced.

AAAI-24 is the Thirty-Eighth AAAI Conference on Artificial Intelligence. As with AAAI-23, the theme of this conference is to create collaborative bridges within and beyond AI. In addition to the bridge theme, we emphasize the importance of AI for social impact and responsible AI. Like AAAI 2023 conference, AAAI-24 will feature technical paper presentations, special tracks, invited speakers, workshops, tutorials, poster sessions, senior member presentations, competitions, and exhibition programs, and two other activities: a Bridge Program and a Lab Program. Many of these activities are tailored to the theme of bridges and are selected according to the highest standards, with additional programs for students and young researchers. AAAI-24 also features a Demonstration program, New Faculty Highlight talks, a Senior Member Presentation Track (SMPT), a student abstract and poster program, a Tutorial and Lab Forum, the 28th AAAI/SIGAI Doctoral Consortium and an Undergraduate Consortium, which will provide students who are more than one year from graduation with significant enrichment opportunities in a professional setting.

AAAI-24 welcomes submissions reporting research that advances artificial intelligence, broadly conceived. The conference scope includes machine learning, natural language processing, computer vision, data mining, multiagent systems, knowledge representation, human-in-the-loop AI, search, planning, reasoning, robotics and perception, and ethics. In addition to fundamental work focused on any one of these areas, work is expressly encouraged if it cuts across technical areas of AI (e.g., machine learning and computer vision; computer vision and natural language processing; or machine learning and planning), bridges between AI and a related research area (e.g., neuroscience; cognitive science), or develops AI techniques in the context of important application domains, such as healthcare, sustainability, transportation, and commerce.

This conference has two special tracks, which focus on AI for Social Impact, and Safe, Robust, and Responsible AI. Papers in the special tracks will be reviewed according to a different evaluation rubric than papers in the main track.

There will be special diversity and inclusion activities, such as workshops to discuss present challenges and propose changes related to justice, equity, diversity and inclusion in AI, underexplored research perspectives to benefit underrepresented communities (e.g. low-resource languages), respective panels and roundtables, or mentoring sessions to empower underrepresented researchers. Equally encouraged are activities revolving around inclusive community building, networking and social gatherings, diversity lunches, outreach activities and reports, and activities to expose K-12 students to AI.

There will be several pre-conference programs on February 20 and 21, before the main technical conference begins on February 22. Workshops are scheduled to be held at the end of the conference, February 26 – 27, 2024 (Monday-Tuesday). Workshop participants will have the opportunity to meet and discuss issues with a selected focus — providing an informal setting for active exchange among researchers, developers and users on topics of current interest. To foster interaction and exchange of ideas, the workshops will be kept small, with approximately 25-65 participants. Attendance is occasionally limited to active participants only, but most workshops allow general registration by all interested individuals.

AAAI-24 is expected to be an in-person conference – one author of all accepted papers will be expected to present work in person unless there are exceptional circumstances that prevent this. The conference will be held at the Vancouver Convention Centre. Please refer to the AAAI-24 conference website for information about travel, accommodation, and registration.

SDM24
The 2024 SIAM International Conference on Data Mining
Westin Houston, Memorial City, Houston, USA
April 18-20, 2024
https://www.siam.org/conferences/cm/conference/sdm24

Data mining is the computational process for discovering valuable knowledge from data – the core of Data Science. It has enormous application in numerous fields, including science, engineering, healthcare, business, and medicine. Typical datasets in these fields are large, complex, and often noisy. Extracting knowledge from these datasets requires the use of sophisticated, high-performance, and principled analysis techniques and algorithms, which are based on sound theoretical and statistical foundations. These techniques in turn require implementations on high performance computational infrastructure that are carefully tuned for performance. Powerful visualization technologies along with effective user interfaces are also essential to make data mining tools appealing to researchers, analysts, data scientists and application developers from different disciplines, as well as usable by stakeholders.

The 2024 SIAM International Conference on Data Mining (SDM24) conference provides a venue for researchers who are addressing these problems to present their work in a peer-reviewed forum. It also provides an ideal setting for graduate students to network and get feedback for their work (as part of the doctoral forum). Everyone new to the field can also learn about cutting-edge research by hearing outstanding invited speakers and attending presentations and tutorials (included with conference registration). A set of focused workshops will be held on the last day of the conference. The proceedings of the conference are published in archival form and will also be made available online.

SDM24 has three main themes: Methods and Algorithms, Applications and Human Factors and Social Issues. Each of these main themes has a broad number of relevant topics, including but not limited to areas such as machine learning, data analytics, data mining, data science, IoT, ethics, and privacy, across different fields and applications.

This year's conference will have invited presentations and special events such as the IBM Early Career Data Mining Research Award and the SDM24 Doctoral Forum, which provides a unique opportunity for PhD students in data science (including data mining, machine learning, databases, and pattern recognition) to present their doctoral dissertation in poster format and get feedback from SDM24 participants and senior leaders in the field. SDM24 will host multiple two-hour minitutorials, including topics such as: From Feature Selection to Instance-wise Feature Acquisition; Intelligent Seismic Data Processing: A Data Science Perspective; Discovering High-Ordered Semantic Structures in Massive Time Series: Algorithms and Applications; Trustworthy Anomaly Detection; Large-Scale Graph Neural Networks: Navigating the Past and Pioneering New Horizons; Heterogeneity in Federated Learning; Data

Quality-Aware Graph Machine Learning; and Data Heterogeneity Analysis for Prediction and Decision. The program also includes full day workshops on Data Science for Smart Manufacturing and Healthcare, and AI4TS: AI for Time Series Analysis: Theory, Algorithm, and Applications. This year's conference will also host multiple 2-hour minitutorials on a variety of topics related to the main themes of SDM24. Please check the website for further details and updates about these events.

As a professional society, SIAM is committed to empowering equitable, diverse, and inclusive participation in all aspects of the community. SIAM will provide a climate that encourages the open expression and exchange of ideas, that is free from all forms of discrimination, harassment, and retaliation, and that is welcoming and comfortable to all members and to those who participate in its activities. Early registration for SDM24 is on or before March 18, 2024. The Travel Fund application deadline has been extended to February 17, 2024. All registrations must be processed using the online registration system. Payments will not be accepted onsite. Conference participants must use the online registration form to register for the conference during either the Early Registration or Standard Registration Periods. Please refer to the SDM24 website for further information about registration and access a wealth of resources about getting to the venue.

IJCAI 2024
The 33rd International Joint Conference on Artificial Intelligence
Jeju, South Korea
August 3-9, 2024
https://ijcai24.org/

The International Joint Conferences on Artificial Intelligence, IJCAI, is the most prestigious international gathering of Artificial Intelligence researchers. Every year IJCAI is held in a different country jointly sponsored by the IJCAI organization and the national AI society of the host nation. Starting from 1969, IJCAI has remained the premier conference bringing together the international AI community to communicate the advances and achievements of artificial intelligence research. Submissions to IJCAI-2024 should report on significant, original, and previously unpublished results on any aspect of artificial intelligence. Papers on novel AI research problems, on AI techniques for novel application domains, and papers that cross discipline boundaries within AI are especially encouraged.

In addition to the main track, authors will be able to submit papers to the two multiyear special tracks (AI for Good and AI, The Arts and Creativity), as well as the survey track; these tracks will post their own calls for papers later this year, and their deadlines, procedures and policies may differ from what is described on the IJCAI-2024 website. The special track on AI and Social Good is dedicated to research triggered by real-world key questions, is carried out in collaboration with civil society stakeholders, and uses AI to work towards the SDGs and LNOB. The track aims to encourage the application of AI to solve current global and local challenges and to strengthen the civil society-science-policy interface.

In 2024, IJCAI note that Generative AI models, including Chat-GPT, BARD, LLaMA, or similar LLMs, do not satisfy the criteria for authorship of papers published in IJCAI 2024. If authors use an LLM in any part of the paper-writing process they assume full responsibility for all content, including checking for plagiarism and correctness of all text. Papers that describe research on or involving LLMs are encouraged. Text generated by an LLM as part of the paper's methodology or experimental analysis is allowed but needs to be properly documented and described in the paper.

The conference is inviting proposals for workshops to be held on August 3-5, 2024, immediately prior to the main conference. The aim of the workshop program is to provide a structured setting for the discussion of specialized technical topics, and the format of proposed workshops should be designed to promote an active exchange of ideas between attendees. Several forms of workshops are encouraged, including classical workshops that focus on a particular research area, workshops that focus on emerging topics and applications or on open research questions and challenges, cross-discipline workshops that foster exchange of ideas between groups that are unaware of each other's research, and miscellaneous topics of interest to the AI community. Proposal deadlines for workshops are February 5, 2024, and notification of acceptance will be on March 11, 2024.

Based on previous IJCAI conferences, there is expected attendance of over 3,000 participants, drawn from the world's top technical universities, research labs, and industry companies. The IJCAI-24 technical standards are very high. Typically, only about 20%, or fewer, of submitted papers are selected for oral or poster presentation at IJCAI conferences. This means that participants are drawn from the world's best AI experts.

This year's conference will be held at Jeju Island. Situated in the center of Northeast Asia, Jeju lies equidistant among South Korea, China, and Japan. A selection of the best papers submitted to IJCAI-2024 will be invited for a fast track in the Artificial Intelligence Journal and/or the Journal of AI Research. Abstract submission deadline is January 10, 2024, with full paper submission due by January 17, 2024. The author response period will be March 18-21, and paper notification by April 16, 2024. Please refer to the website for more information about registration and the venue. Queries about local arrangements can be made to local@ijcai24.org.