

**26th International Symposium Isaac 2024  
Nagoya Japan December 11 2024: Exploring  
the Frontiers of Artificial Intelligence and  
Machine Learning**



Prepare for an extraordinary scientific gathering that will push the boundaries of artificial intelligence (AI) and machine learning (ML) research and applications. The 26th International Symposium Isaac 2024 will be held in the vibrant city of Nagoya, Japan, on December 11, 2024. This prestigious event will bring together leading scientists, researchers, industry experts, and students from around the globe to share groundbreaking advancements and insights in the realm of AI and ML.



## Algorithms and Computation: 26th International Symposium, ISAAC 2024, Nagoya, Japan, December 9-11, 2024, Proceedings (Lecture Notes in Computer Science Book 9472)

★★★★★ 5 out of 5

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Named after the legendary physicist Sir Isaac Newton, the Isaac Symposium is a renowned platform for showcasing cutting-edge research and fostering collaborations. The 26th edition promises to surpass previous symposia, with a diverse program covering the most актуальные and перспективные aspects of AI and ML.

### Program Highlights

The symposium will feature a comprehensive program of keynote speeches, invited talks, oral presentations, poster sessions, and workshops led by internationally acclaimed experts in the field. The program will delve into a wide range of topics, including:

- **Machine Learning:** The latest advancements in supervised, unsupervised, and reinforcement learning algorithms, deep learning, and neural networks.
- **Artificial Intelligence:** Theoretical foundations and applications of AI, including computer vision, natural language processing, robotics, and autonomous systems.
- **Human-Computer Interaction:** Exploring the intersection of AI and human-centered design, covering user experience, human factors, and ethical considerations.
- **Data Analytics:** Big data analytics, machine learning for data-driven decision-making, and AI-powered data visualization techniques.
- **AI in Industry:** Practical applications of AI and ML across various sectors, such as healthcare, manufacturing, finance, and transportation.

## Keynote Speakers

The symposium will feature an esteemed lineup of keynote speakers who will share their visionary perspectives on the future of AI and ML. These include:

- **Professor Yoshua Bengio:** Turing Award recipient and pioneer in deep learning from the University of Montreal, Canada.

- **Dr. Fei-Fei Li:** Director of the Stanford Artificial Intelligence Laboratory and Professor at Stanford University, USA.
- **Professor Andrew Ng:** Co-founder of Coursera and former Chief Scientist at Google Brain, now at Baidu Research, China.
- **Dr. Daphne Koller:** Co-founder of Coursera and Professor at Stanford University, USA.
- **Professor Zoubin Ghahramani:** Chief Scientist at Uber AI, USA, and Professor at the University of Cambridge, UK.

## **Workshops and Tutorial Sessions**

In addition to the main conference program, the symposium will offer a series of workshops and tutorial sessions designed to provide participants with hands-on experience and in-depth knowledge in specific areas of AI and ML. These sessions will cover topics such as:

- **Natural Language Processing with Transformers**
- **Machine Learning for Healthcare Applications**
- **Computer Vision with Deep Learning**
- **Reinforcement Learning in Robotics**
- **AI Ethics and Responsible Development**

## **Networking Opportunities**

The symposium provides an unparalleled platform for networking and collaboration among the AI and ML community. Attendees will have ample opportunities to connect with fellow researchers, industry professionals,

and potential collaborators during coffee breaks, social events, and dedicated networking sessions.

## Dates and Registration

The 26th International Symposium Isaac 2024 will be held on December 11, 2024, in Nagoya, Japan. Early registration is encouraged to secure your spot at this highly anticipated event. For more information and registration details, please visit the official symposium website: <https://isaac2024.org>.

The 26th International Symposium Isaac 2024 is poised to be a groundbreaking event that will ignite new ideas, foster collaborations, and advance the frontiers of AI and ML. We invite you to join us in Nagoya, Japan, on December 11, 2024, for an unforgettable scientific experience that will shape the future of artificial intelligence.



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