Call for Papers

https://icpai2020.github.io

ICPAI 2020

2020 International Conference on Pervasive AI

🕐 **Dec. 3-5, 2020**

📍 **Howard Civil Service International House, Taipei, Taiwan**

[ICPAI 2020 will be held jointly with TAAI 2020. See https://taaiicpai2020.github.io/]

Conference Scope

The International Conference on Pervasive Artificial Intelligence (ICPAI) is intended to serve as a cross-discipline and cross-domain annual meeting to promote the AI applications in various fields. This conference provides an excellent platform for academic researchers and industrial domain experts to present, discuss, and share their most recent findings in theoretical, technological, and application-oriented findings in all aspects of AI developments and applications. The subjects of interest include, but are not limited to, medical diagnosis and prognosis, manufacturing, communications, robotics, smart city, urban mobility, social networks, business intelligence, humanities, law, social sciences, and human-machine co-evolving. It is not only a platform for AI knowledge exchange and sharing, but also a window for researchers and application engineers to continuously apply pervasive AI technologies on human society.

Year 2020 is the inauguration of ICPAI, initiated by Pervasive Artificial Intelligence Research (PAIR) labs and lots of AI professionals around the Taiwanese research community, with cooperation from Japan, China and Singapore experts. It is open to international participants, including researchers, students, and industry practitioners, in all domains who are interested in applied AI technologies.

Topics

The conference will cover a wide range of AI application research topics, including but not limited to, the followings:

- AI and humanities, philosophy, law, and social impacts
- AI for communications and networks
- AI for cybersecurity and deep fake
- AI for health care and medical applications
- AI for precision sports
- Fintech and business intelligence
- Intelligent Human-Computer Interaction
- Lessons from industry deployments of AI.
- Robotics and autonomous driving
- Smart agriculture
- Smart architecture and intelligent buildings
- Smart city and intelligent transportation systems
- Smart energy
- Smart manufacturing

Important Dates

Paper Submission: ~~August 31, 2020~~ **September 15, 2020**
Notification: **October 12, 2020**
Camera-ready and Registration: **October 19, 2020**

*All deadlines are 11:59pm Pacific Standard Time (PST)

Paper Submission

- Papers for ICPAI 2020 have to be written and presented in English. All papers must be submitted in the IEEE conference format. Three types of papers are offered, and their page limits are:
  - ▶ Regular paper: 5 - 8 pages
  - ▶ Short paper: 2-4 pages
  - ▶ Fast abstract: 1 page (will note appear in IEEE Xplore)

  All types of papers will be presented in the conference program. Regular and Short papers will be indexed by IEEE Xplore, while Fast abstract will not be indexed there.
- Industry track focuses on papers that address practical and applied research challenges or implementations of AI in the industry.
- Special sessions are welcome and interested organizers can submit their proposals (including session name, organizer names, affiliation and mails, a brief description of the session) to program chairs or invited session chairs.
- Please prepare papers in PDF format according to the specification detailed on the conference webpage.
- ICPAI 2020 accepts online submission only. Please submit your paper via the link in the paper submission page of the conference website: https://icpai2020.github.io/

Organizing Committee

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Track 1. AI and humanities, philosophy, law, and social impacts
Chair: **Ming-Jen Lin,** National Taiwan University

Track 2. AI for communications and networks
Chair: **Li-Chun Wang,** National Chiao Tung University

Track 3. AI for cybersecurity and deep fake
Chair: **Pin-Yu Chen,** IBM Thomas J. Watson Research Center, USA
Chair: **Hung-Min Sun,** National Tsing Hua University

Track 4. AI for health care and medical applications
Chair: **Li-Chen Fu,** National Taiwan University; MOST Joint Research Center for AI Technology and All Vista Healthcare

Track 5. AI for precision sports
Chair: **Chih-Wei Yi,** National Chiao Tung University

Track 6. Fintech and business intelligence
Chair: **Tian Shyr Dai,** National Chiao Tung University

Track 7. Intelligent Human-Computer Interaction
Chair: **Liwei Chan,** National Chiao Tung University

Track 8. Lessons from industry deployments of AI
Chair: **Wade Chou,** Artificial Intelligence for Intelligent Manufacturing Systems Research Center

Track 9. Robotics and autonomous driving
Chair: **Chung-Hsien Kuo,** National Taiwan University of Science and Technology

Track 10. Smart agriculture
Chair: **Ming-Der Yang,** National Chung Hsing University

Track 11. Smart architecture and intelligent buildings
Chair: **June-Hao Hou,** National Chiao Tung University

Track 12. Smart city and intelligent transportation systems
Chair: **Jiun-In Guo,** National Chiao Tung University

Track 13. Smart energy
Chair: **Kuo-Lung Lian,** National Taiwan University of Science and Technology

Track 14. Smart manufacturing
Chair: **Tien-Fu Chen,** National Chiao Tung University