CALL FOR PAPERS
IEEE Journal of Selected Areas in Sensors Special Section
on

Artificial Intelligence Integrated with Smart Sensing: Techniques, Systems, and Applications

Smart sensing serves as the front end and foundation of many emerging smart applications, such as virtual reality, human-like robotics, smart energy systems, etc. Being integrated with smart sensing, artificial intelligence (AI) has great potential to be the next game changer in these emerging applications and smart systems. AI integrated with smart sensing empowers ground-breaking capabilities, such as self-organizing, autonomous reasoning, interactive intelligence, etc. However, the way to this promising future is not straightforward with critical technical challenges ahead, such as the constrained resources of smart sensors, security & privacy issues, reliability in critical applications, etc. This motivates this special section on AI integrated with smart sensing, aiming to bring together the latest and high-quality studies in this area.

It is intended that this Special Section of IEEE Journal of Selected Areas in Sensors (JSAS) will show the state-of-the-art in Artificial Intelligence Integrated with Smart Sensing. Original research contributions, tutorials and review papers are sought in Artificial Intelligence Integrated with Smart Sensing related areas including (but not limited to):

- Theory/model/architecture for AI integrated with smart sensing
- Autonomous intelligence enabled by AI integrated with smart sensing
- Interactive intelligence enabled by AI integrated with smart sensing
- Collaborative decision-making enabled by AI integrated with smart sensing
- Data processing, management, & use for AI integrated with smart sensing
- Networking architecture, protocols, and services
- Edge/cloud computing for AI integrated with smart sensing
- Privacy & security for AI integrated with smart sensing
- Sustainable and healthy life based on AI integrated with smart sensing
- Prototypes and systems for AI integrated with smart sensing
- Real-world applications of AI integrated with smart sensing
- etc.

Solicited and invited papers shall undergo the standard IEEE Journal of Selected Areas in Sensors (JSAS) peer review process. All manuscripts must be submitted on-line, via the IEEE Author Portal, see https://ieee.atyponrex.com/journal/jsas. When submitting, please indicate in the "Manuscript Type" roll down menu that the paper is intended for the "Artificial Intelligence Integrated with Smart Sensing: Techniques, Systems, and Applications" Special Section. Authors are particularly encouraged to **suggest names of potential reviewers** for their manuscripts in the space provided for these recommendations in *Manuscript Central.* For manuscript preparation and submission, please follow the guidelines in the *Information for Authors* at IEEE Journal of Selected Areas in Sensors web page, https://ieee-jsas.org/

Deadlines:
- Manuscript Submission: July 31, 2024

| · | Notification of Acceptance: | Aug 10th, 2024 |
| · | Final Manuscript published in IEEE Xplore: | Sept 31st, 2024 |

Guest Editors:

- Prof. Yuemin Ding, University of Navarra (Email: yueminding@tecnun.es)
- Dr. Zhibo Pang, ABB & KTH Royal Institute of Technology (Email: pang.zhibo@se.abb.com)
- Dr. Kan Yu, La Trobe University (Email: K.Yu@latrobe.edu.au)
- Dr. Po Yang, Sheffield University (Email: po.yang@sheffield.ac.uk)
- Prof. Fei Pan, Sichuan Agricultural University (Email: fei.pan@sicau.edu.cn)