



AI for Good
Global Summit
An ITU experience



Call for Papers

2020 IEEE / ITU International Conference on Artificial Intelligence for Good

IEEE / ITU AI4G
21-25 September 2020

- in conjunction with -
AI for Good Global Summit
Geneva, Switzerland

IEEE / ITU International Conference on Artificial Intelligence for Good is going virtual in 2020!

Due to the Covid-19 (coronavirus) pandemic and to ensure the safety of all conference participants, the AI4G Conference Committee has decided to make the conference a virtual event for this year – to be held from 21-25 September 2020.

Artificial Intelligence (AI) offers society and the business-world novel and radically different approaches to knowledge discovery, learning, problem-solving, and decision making. Based on intelligent computing technologies that empower machines to observe, listen, and learn beyond the typical capabilities of humans, AI facilitates business decision making by offering real-time models with enhanced accuracy and efficiencies. Applications are not limited to business and include smart cities and their governance, so that socio-economic benefits are shared by the many and not just the few.

The **IEEE / ITU International Conference on Artificial Intelligence for Good (AI4G 2020)** brings together international researchers, academics and practitioners to exchange views, share ideas and explore future research themes in order to meet current challenges and promote positive social change in relation to the use of AI for Good. The conference provides attendees with the opportunity to present and discuss the findings of current research relating to intelligent computing technologies – and how they can be employed to deliver positive, ethical and scalable outcomes for society at large.

The AI4G 2020 conference (<http://2020.ai4g.ieee-tems.org>) will be held in conjunction with the **ITU AI for Good Global Summit** (<https://aiforgood.itu.int/>) and conference attendees from ITU Members or Member States will enjoy full access to all sessions of the Global Summit where world-leading experts in AI will be sharing their personal insights into practical applications of AI.

We welcome papers covering all aspects of artificial intelligence, with major topics including, but not limited to:

- ***Digital Cooperation***
- ***Technology Advancements in AI***
- ***Managing and Implementing AI Projects***
- ***AI for sustainable development such as in e.g. Smart Cities***
- ***Women and AI***
- ***Responsible and Ethical Approaches to AI***
- ***Business models for AI***
- ***Social Inclusion and AI, including Inclusive Intelligence and Intelligence Amplification***
- ***Safety in AI***
- ***Ethically-driven robotics and automation***
- ***AI for Good Policies and Standards***
- ***AI in Practice for e.g. smart mobility, precision agriculture, smart grids, Industry 4.0, sharing economy, humanitarian demining, personalized healthcare, learning, and environment monitoring.***

Paper submissions should clearly explain and highlight how the research topic affects the management and operation of businesses, either in the public or private sector. We are interested in illustrative case studies of AI in practice, empirical papers, and literature reviews that help set the research agenda for AI for social Good.

Papers should explain how they help accelerate the United Nations Sustainable Development Goals, identifying the practicality and scalability of any proposed solution, particularly up to 2030.

There are two possible paper submissions at AI4G conference: (1) full paper (up to 6 pages) and (2) extended abstract (up to 3 pages). Both types of submissions are subject to conference peer review for quality and alignment to the conference theme, however, **only full papers (if accepted) will be published in IEEE Xplore.** Authors of accepted extended abstracts will deliver a presentation of their research with their abstract being included in the conference program.

All accepted full papers presented at the AI4G conference will be published in the conference proceedings and will be submitted for publication in the IEEE Xplore Digital Library, and indexed by multiple abstract indexing companies, including Scopus. There will be an opportunity for selected best papers to publish an extended version of the conference paper in **Special Issues** of the **IEEE Transactions on Engineering Management** and the **ITU Journal: ICT Discoveries**.

Selected best papers will have the opportunity to be published in an issue of one of our flagship journals. This would include research articles suitable for our journal, IEEE Transactions on Engineering Management (IEEE TEM), and practical and case study articles suitable for our journal of practice, the IEEE Engineering Management Review (IEEE EMR). All papers would have to be suitably expanded beyond the conference paper for IEEE TEM. IEEE EMR submissions would need to be edited, targeted, and formatted for one of three types of papers published by IEEE EMR. Each paper will be subject to the corresponding journal's rigorous peer-review process.

Currently, the IEEE Transactions on Engineering Management is running a Special Issue entitled "**Technology for Social Good**," with as guest editors Prof. Chunguang Bai and Prof. Joseph Sarkis; selected best papers will be invited for further development and submission to this issue. Further details can be found soon at: <https://www.ieee-tems.org/call-for-papers/>.

The IEEE TEMS has also launched a new Special Interest Group (SIG) on "**Technology for Good**" and this event is included in the calendar of activities for this new SIG (<https://www.ieee-tems.org/tems-technical-activity-committees/>), for which all those interested are invited to join.

Important Dates:

Paper Submission Due:	29 June 2020
Notification of Acceptance:	7 August 2020
Final Manuscript Submission:	10 August 2020
Author Registration Due:	14 August 2020
Normal Registration:	4 September 2020

Organizing Committee:

General Co-chairs:	Andy Chen, Neil Sahota, Reinhard Scholl (ITU), Fred Warner (ITU)
Program Co-chairs:	Richard Evans, Tugrul Daim, Brendan Galbraith, Alaa Khamis, Robert Bierwolf
Treasurer:	Bill Marshall
Publicity Co-chairs:	Ravikiran Annaswamy, Vishwas Jois, Mohamed Aboud
Publication Co-chairs:	Geoff Simmons, Esraa Ghourab
Logistics:	Ana Maria Meshkurti (ITU)
Technical Program Cie:	Geoff Simmons, Toshie Takahashi, Alaa Khamis, Richard Evans, Munkhjargal Gochoo, Brendan Galbraith, Marina Dabic, Alessia Magliarditi (ITU)

For further details, including EDAS website for the paper submission/review process, please refer to <http://2020.ai4g.ieee-tems.org> which will be updated shortly.