

tinyML: Pioneering sustainable solutions in resource-limited environments

May 30, 2024, 09:30 – 17:30, CEST Geneva

The Tiny Machine Learning workshop will be held on 30 May 2024 during the **2024 AI for Good Summit** at CICG, Geneva. Tiny Machine Learning (TinyML) represents an emerging field that aims to bring power of machine learning to resource-constrained devices, including microcontrollers, sensors, and other embedded systems.

The transformative power of TinyML lies in its ability to operate in resource-constrained environments by empowering on-device sensor data analytics with minimal energy consumption, opening new avenues for innovation and progress in different sectors under extreme conditions. In addition, TinyML could be applied to challenges aligned with SDGs, such as detecting plant disease and monitoring wildlife, which aim for a zero hunger and bio-diversified future.

Call for Abstracts

Throughout the session, participants will be able to engage with leaders and experts from diverse fields such as education, healthcare, environment, and development. They will share use cases of TinyML in action, demonstrating its real-world applications and impact on society.

Authors are invited to submit articles or abstracts combining aspects of tiny devices and ML. Topics of interest of the TinyML workshop include, but are not limited to:

- Sustainability: themed presentations on the application of TinyML in achieving sustainable goals
- Education: presentations on how TinyML can be used in education and its impact in developing countries.
- Healthcare: presentations on the deployment of TinyML in healthcare.

Submission Format

- 1-2 page PDF document including the title, authors, affiliations, e-mail address of the contact author, as well as a schematic summary of the content of the presentation.

Organizing Committee:

- Andrea L. Dunbar, CSEM
- Evgeni Gousev, tinyML Foundation
- Simon Narduzzi, CSEM
- Thomas Basikolo, ITU

Important dates:

- Abstract due ~~April 19, 2024~~ May 01, 2024
- Author notification May 06, 2024

Contact information and abstracts submission: Jiaying Meng < jiaying.meng@itu.int >