The Abdus Salam International Centre for Theoretical Physics

IAEA International Atomic Energy Agency

unesco United Nations Educational, Scientific and Cultural Organization

ICTP 1964–2024

ICTP-UNU Workshop on TinyML for Sustainable Development

AN ICTP 60TH ANNIVERSARY SATELLITE EVENT

Description:

TinyML is a new technology that allows machine learning models to run on low-cost, low-power microcontrollers. This technology has a significant role to play in achieving the Sustainable Development Goals (SDGs) and in facilitating scientific research in areas such as environmental monitoring and the physics of complex systems.

MORE DETAILS:

The rise of TinyML has opened new opportunities for developing intelligent, low-power devices in resource-constrained environments. In recent years, TinyML has gained significant attention from researchers, developers, and industries due to its potential for enabling new applications in fields such as healthcare, agriculture, transportation, conservation, and smart homes. TinyML is a great educational tool as it explores topics from across the computer science and engineering curricula.

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TOPICS:

- Introduction to TinyML
- Sensors and Data Collection
- Energy Efficiency
- Environmental Monitoring
- Health Monitoring
- Agriculture Monitoring
- Smart Cities
- Ethics and Machine Learning

26 - 30 April 2024

Macau, SAR of China

Deadline:

15 March 2024

DIRECTORS:

S. STINCKWICH, United Nations University Institute in Macau
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FURTHER INFORMATION:

E-mail: smr3925@ictp.it

Web: https://indico.ictp.it/event/10463/

Female scientists are encouraged to apply.

GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries.
There is no registration fee.

UNU Macau

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