

2020
ICSTCEE
10-11 July 2020

International Conference on
Smart Technologies in Computing,
Electrical and Electronics

Venue: REVA University, Bengaluru, India

IEEE
Advancing Technology
for Humanity

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SPECIAL SESSION

Machine Learning & ANN bases Development for Agriculture Sustainability

Organizers:

Dr. Sandeep Kumar

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The Special Session on “Machine Learning & ANN bases Development for Agriculture Sustainability” is pleased to invite you to respond to our Call for Submissions for ICSTCEE2020, to be held from 10 - 11 July 2020 at the REVA University, Bangalore.

Agriculture plays a critical role in the global economy. Day by day demand & pressure on the agricultural system will increase with the rapid expansion of the human population. Machine learning is everywhere throughout the whole growing and harvesting cycle. It begins with a seed being planted in the soil from the soil preparation, seeds breeding and water feed measurement and it ends when robots pick up the harvest determining the ripeness with the help of computer vision. Agriculture technology and precision farming, now also termed digital agriculture, have arisen as new scientific fields that use data intense approaches to drive agricultural productivity while minimizing its environmental impact. The data generated in modern agricultural operations is provided by a variety of different sensors that enable a better understanding of the operational environment (an interaction of dynamic crop, soil, and weather conditions) and the operation itself (machinery data), leading to more accurate and faster decision making.

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Topics of Interest include, but are not limited to...

The entire session were categorized in (a) crop management, including applications on yield prediction, disease detection, weed detection crop quality, and species recognition; (b) livestock management, including applications on animal welfare and livestock production; (c) water management; and (d) soil management etc.

- Embedded System
- Internet of Things (IoT)
- Signal Processing
- Image Processing
- Robotics
- Biometrics
- Network Security
- Crop Management
- Soil Management
- Water Management
- Livestock Management
- Species management

Submission Guidelines

Submit your paper in IEEE format. Submitted work should be original and application oriented. Acceptance will be based on the reviewer's comments that will address the strong and weak aspects with suggestions to improve the work.