

3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018

Malaviya National Institute of Technology (MNIT), Jaipur

March 26-27, 2018

ALL ACCEPTED papers will be included in **ELSEVIER-SSRN Digital Library**.

Paper Submission Deadline: December 25, 2017

Paper submission Link: <https://easychair.org/conferences/?conf=iciotct2018>

Conference Website: <http://iciotct2018.iaasse.org/>

Call for Papers



Special Session: Recent Trends, Challenges and applications in Smart Agriculture, Poultry and farming

Session Chair: Dr N Dinesh Kumar

Co-chair: Dr P A Harshavardhini

Convener: Mrs P Padmaja

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The **ICIoTCT 2018** conference is a platform to discuss advances in Internet of Things (IoT) and connected technologies (various protocol, standards etc.). The recent adoption of a variety of enabling Wireless communication technologies such as RFID tags, BLE, ZigBee, etc. and embedded sensor and actuator nodes, and various protocols such as CoAP, MQTT, DNS etc. have made IoT to step out of its infancy. Now smart sensors can collaborate directly with machine without human involvement to automate decision making or to control a task. Smart technologies including green electronics, green radios, fuzzy neural approaches and intelligent signal processing techniques play important roles for the developments of the wearable healthcare systems. This conference aims at providing a forum to discuss the recent advances on enabling technologies and applications for IoT.

On the eve of the occasion of **ICIOTCT-2018** a special session on “**Recent Trends, Challenges and applications in Smart Agriculture, Poultry and farming**” will be conducted by Dr. N Dinesh Kumar, as session chair. Original contributions are solicited for the special “**Recent Trends, Challenges and applications in Smart Agriculture, Poultry and farming**” to be held at **ICIOTCT-2018**.

This special session is a platform to discuss advances in Internet of Things (IoT) and connected technologies (various protocol, standards etc.). The raise in the demand for food supply is huge with the increase in the world's population. Farmers can adopt the latest techniques and advanced research tools to increase the food production. If they adopt the technology, the need for the human effort decreases to lot and more yield can be obtained and hence return on investment can be more.

Livestock monitoring is about animal husbandry and cost saving. Using IoT applications to gather data about the health and well being of the cattle, ranchers knowing early about the sick animal can pull out and help prevent large number of sick cattle. With the help of the collected data and ranchers can increase the pouty production.

Now without human involvement, smart sensors can communicate directly with machine to make a automate decision and perform a task if needed. Smart farming is one of the fastest growing field in IoT. Soil moisture and nutrients sensing, humidity measurement and hence water usage control for healthy growth of plant, fertilizer spraying techniques etc are few applications where IoT can be used.

The objectives of the special session are as follows:

- Discussion on a research platform to improve the quality of yield in agriculture sector
- Smart trends and applications in the agriculture and farming industries
- To identify key issues that needs to be addressed in real implementation of these smart challenges
- To explore the conceptual understandings in the area of Internet of Things in agriculture and farming applications
- Focus on state-of-the-art algorithms in agriculture and farming applications
- Machine learning and its applications for algorithm design for classification and disease identification of plants and animals
- To discuss various issues related to these areas.

This special session will include the following topics but not only limited to the following:

- Smart Agriculture to improve production,
- Water Saving with Smart Irrigation System,
- Environmental impact in waste water irrigation area,
- Precision Agriculture,
- Predicting and Preventing plant Diseases,
- Greenhouse conditions to develop new products in the food industry,
- FPGA with IoT,
- Monitoring of food sustainability Wireless Sensor Networks,
- Security issues in smart agriculture,
- Resource management and scheduling,
- IoT architecture,
- Tools and applications for Smart farming,

- Case Studies of smart agriculture,
- Case studies on smart farming,
- Animal tracking,
- Sustainable farming and IoT,
- Water quality control for fish farming using IoT,
- Cricket/Golf/football/Tennis grounds health monitoring using IoT,
- Indoor precision farming.
- Sensor Networks, Remote Diagnosis and Development
- Pest/Animal image enhancement
- Image processing
- Security and privacy issues in smart IoT
- Predictive Analytics
- Decision Support System
- Real-time Image Processing
- Video Processing and streaming

Paper Submission

Authors wishing to submit their papers must refer to the website, for paper structuring and formatting guidelines in detail, at <http://iciotct2018.iaasse.org/international-conference-on-internet-of-things-and-connected-technologies-iciotct-2018-submission-publication>.

Only electronic submissions will be considered. Papers submitted by e-mail will not be considered.

Publication

The conference aims at carrying out double blind review process. The papers submitted by the authors will be assessed on the basis of their technical suitability, scope of work, plagiarism, novelty, clarity, completeness, relevance, significance and research contribution.

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Deadlines to Remember

Submission	December 25, 2017	Acceptance	February 05, 2018
Camera Ready Submission	February 15, 2018	Registration (for inclusion of Paper in Proceedings)	February 15, 2018

For any other query please visit our conference website <http://iciotct2018.iaasse.org/home> or write us back at iciotct@iaasse.org