

Social Session Title : Deep convolutional networks in improving machine learning and intelligent systems

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Summary:

The lifestyle of modern society has changed significantly in recent years with the rapid expansion of artificial intelligence (AI) and machine learning (ML) technologies that impact nearly every technological aspect of society. Deep learning is an application of machine learning that uses complex algorithms and deep neural nets to train a model. It is widely used to make weather predictions about rain, earthquakes, and tsunamis. It helps in taking the necessary precautions. With deep learning, machines can comprehend speech and provide the required output. It enables the machines to recognize people and objects in their images. Deep learning models also help advertisers leverage data to perform real-time bidding and targeted display advertising.

This workshop basically focus on all applications of deep learning such as:

1. Object detection and tracking
2. Human detection and recognition
3. Intelligent Transportation Systems and autonomous vehicles
4. Remote sensing images and application in agriculture, cartography,...etc
5. Image processing and classification
6. Application of deep learning in E-learning
7. Internet Of Things and machine learning

Keywords: Machine learning; Deep learning; Big data; Neural networks; Convolutional Neural Networks;