

S14: Machine and Deep Learning based models for intelligent and secure automation of systems

Session organizers :

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Session Summary:

Artificial intelligence (AI) is the study of computer programmes that can learn automatically from experience and by using data. Machine learning and deep learning are subsets of AI. Algorithms based on machine and deep learning have gained significant attention in the fields of automation and security because of their capacity to manage massive, multidimensional datasets with strong fitting capabilities. In areas where conventional data analysis methods have throughout the years encountered constraints or difficulties, machine learning and deep learning approaches have become indispensable. For a variety of automated systems, intelligent machines, devices, applications, etc. machine and deep learning models can be utilized. Systems for managing traffic, intelligent agriculture, reducing pollution, analysing and treating medical conditions, etc. installation of these smart systems. Besides imparting intelligence to various systems, machine learning and deep learning algorithms can also be used to ensure the security of these systems.

This session focuses on creating sustainable smart solutions utilising Machine Learning and Deep Learning models. Authors can submit manuscripts related to the automation and security of different kinds of systems using Machine and Deep learning-based approaches.



Topics include but not limited to:

- Deep learning algorithms for automation systems
- Models and systems
- Secure automation systems
- Learning based algorithms for automation systems
- Smart cities
- Smart environment

Submission:

In order to submit to this session, please write “**S14**” as a prefix to your manuscript name. for example, if you have your file name as “**UAVmobility.pdf**”, the submitted file name should be “**S14-UAVmobility.pdf**.”

Template: Template (**Word**)(6 pages max , 2 more pages with extra fees) (**Latex**)

Submission link:

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