

Special session proposal

i. Title of the special session: e-Health: Artificial Intelligence and Machine Learning to diagnose human diseases

ii. Description of the special session: The researches to develop artificial intelligence (AI) based e-systems to diagnose human diseases has been significantly increasing in the recent past. These e-systems use machine learning algorithms or AI to analyze the complex data related to various human diseases in order to diagnose or predict the name of the disease. These AI based e-systems analyze the connection between clinical techniques and patient outcomes. The AI based e-systems are used for diagnosis, drug development, and patient monitoring & care. These disease diagnostic e-systems help the medical practitioners to diagnose the diseases more accurately. The AI based methods recognize different patterns in the data corresponding to different human diseases. The recognition of different patterns may be carried out using various machine learning or deep learning algorithms.

The special session is focused on the research developments of AI based e-systems to diagnose various types of human diseases. Topics of interest include, but are not limited to, the following categories of human diseases:

- i. Neurological diseases
- ii. Lung diseases
- iii. Cardiovascular diseases
- iv. Various types of cancers
- v. Renal diseases
- vi. Brain diseases
- vii. Ophthalmic diseases
- viii. Respiratory diseases