JSCI12 Schedule – April 29, 2022

Time	Activities/Paper Presentation	Abstract
9:00 - 9:15	Opening: Chair of IEEE CIS Thailand Chapter	
9:30 - 10:00	**Professor Invited Talk:** **Prof.Dr. Sung Wook Baik,** **Topic: Smart Cities: Where/How do you want to design your own Smart City?**	Smart cities enhance the optimal utilization of the available resources, playing a vital role in improving the resident's quality of life. For instance, smart cities are equipped with a lot of CCTV cameras, generating a huge amount of video data continuously, that can be used for several informative purposes including public safety and surveillance. Smart surveillance ensures to provide real-time monitoring for the smart cities' inhabitants, easing and enhancing their living standards. The primary objectives of realtime surveillance in smart cities are to reduce abnormal actions and activities such as violence, crimes, etc. To achieve these goals, we developed an intelligent and complete system, termed as "smarteyes", which includes disaster management, object tracking, action recognition, person Re-identification, anomaly detection, and video summarization. In this direction, we introduced computationally efficient convolutional neural network (CNN) architecture for detection and localization that provides semantic understanding of the fire scene. In smarteyes, we focused on anomaly detection and activity recognition and employed deep learning-based approaches for accurate anomalies detection and activity recognition. We developed a summarization technique to convert big video into summarized form without losing important information. In the future, we intend to improve these modalities under the umbrella of "smarteyes" framework.
10:00 - 10:45	**Professor Invited Talk:** **Prof.Dr. Akhilesh Sharmar Kumar,** **Topic: Music data analysis using signal processing schemes and MIR techniques**	Music and its various patterns based signalling schemes useful to identify and predict some very interesting music. The music shows the patterns and the various machine learning algorithms are responsible to predict and categorize the music data. This talk will be based on showing the different capabilities of signal schemes and Machine learning methods to predict the same.
10:45 – 11:00	**Break**	
11:00 – 11:30	Student Talk 1	
11:30 – 12:00	Student Talk 2	
12:00 - 13:00	**Lunch**	
13:00- 13:45	**Prof.Dr.Ing. Habil. Dr.h.c.Herwig Unger,** **Fern University in Hagen, Germany**	TBA
13:45 - 14:15	Student Talk 3	
14:15 – 14:30	**Break**	
14:30 - 15:00	Student Talk 4	
15:00 - 15:30	Student Talk 5	
15:30 - 16:00	Student Talk 6	
16:00 - 16:15	Closing	