

Title of Talk: **Convolutional Networks for Medical Image Analysis: Its Past, Future, and Issues.**

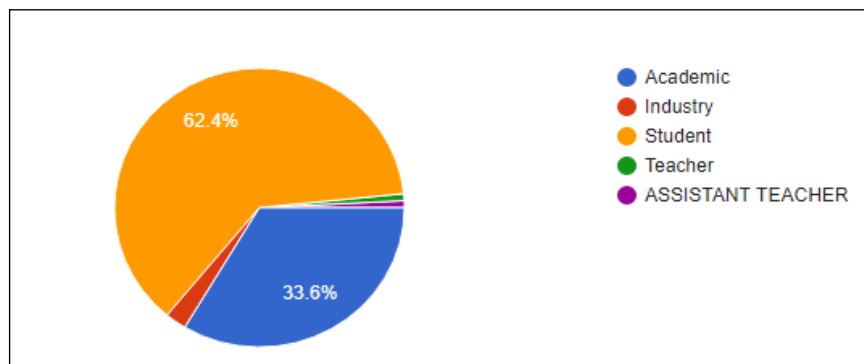
Speaker: **Prof. Pau-Choo Chung (Julia)**  
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**National Cheng Kung University, Tainan, Taiwan ROC.**

**Sponsored by the IEEE Computational Intelligence Society under its Distinguished Lecturer Program**

*Jointly organized and virtually hosted by*  
Department of Computer Science, University of Gour Banga, Malda, India.  
&  
IEEE Computational Intelligence Society Kolkata Chapter, India

## Report

On 17<sup>th</sup> September 2020 the DLP took place during 13:00 – 14:30 (IST) virtually at University of Gour Banga, West Bengal, India through Cisco Webex Platform. There were 96 registered (including pre and spot) participants including 3 IEEE members. Total 55 participants listened to this talk among which 47 were registered participant from 96 registered participants. Academic, Industry, Student, School Teacher ratio is shown in the following pie chart. The total session consisted of (i) talk by the speaker, (ii) interaction, and (iii) Q & A.



# IEEE Computational Intelligence Society Distinguished Lecture

## Abstract of the Talk

Recent advancement of image understanding with deep learning neural networks has brought great attraction to those in image analysis into the focus of deep learning networks. While researchers on video/image analysis have jumped on the bandwagon of deep learning networks, medical image analyzers would be the coming followers. The characteristics of medical images are extremely different from those of photos and video images. The application of medical image analysis is also much more critical. For achieving the best effectiveness and feasibility of medical image analysis with deep learning approaches, several issues have to be considered. In this talk we will give a brief overview of the development of neural networks for medical image analysis in the past and the future trends with deep learning. Several issues in regard of the data preparation, techniques, and clinic applications will also be discussed.

## Some Snapshots taken during the DLP

