



## Panel Discussion - GSS 2018 - Upskill 2.0

*The skills essential for Engineers and Researchers to thrive in the world of Data and Machine Intelligence*

**Date:** 17 May 2018, **Time:** 04.00 PM - 06.15 PM,

**Venue:** LT4, NUS, 10 Kent Ridge Crescent, SG 119260.

## Agenda

### Synopsis:

The effects of Artificial Intelligence (AI) is felt alike in all major industries including manufacturing, services, healthcare and education. Early adopters of AI are already reaping the benefits of it, including increased productivity, higher competitiveness, and faster growth. The proponents argue that the net job roles are only set to increase as observed in the past with any new technology. However, there is no doubt the job roles replaced by AI and the new ones created require completely different skill sets and capabilities.

In this panel discussion, we take a broad overlook at the technology trends with respect to AI, the current challenges and industrial needs, and the general awareness and adoption of AI in the University curriculum. We delve deeper to understand what this means for us as engineers and researchers in the Universities. We further discuss on how to acquire new skills to leverage the huge growth potential including career paths and entrepreneurship opportunities that this new brave world of Data and Machine Intelligence has to offer.

### Panelists:

|                         |  |                 |
|-------------------------|--|-----------------|
| <b>Dr. Li Haizhou</b>   | IEEE Fellow, Professor                                   | NUS             |
| <b>Benjamin Anthony</b> | Vice President, Digital Buildings, Building Technologies | Siemens Pte Ltd |
| <b>Adhiraj Saxena</b>   | Manager of Industry Innovation                           | AI Singapore    |
| <b>Ujjwal Kumar</b>     | Principal Technical Evangelist                           | Microsoft       |

Moderated by **Sivam Pillai, Research Scholar, NUS ECE.**

### Schedule:

|                     |                     |                                   |                             |
|---------------------|---------------------|-----------------------------------|-----------------------------|
| <b>Registration</b> | 04:00 PM - 04.15 PM | Participant registration at LT4   | Outside LT4                 |
| <b>Session 1</b>    | 04.15 PM - 05.00 PM | Group Discussions                 | Allocated Rooms (See Below) |
| <b>Break</b>        | 05.00 PM - 05.30 PM | Light Dinner Break and Networking | Outside LT4                 |
| <b>Session 2</b>    | 05.30 PM - 05.50 PM | Panel Introduction                | LT4                         |
| <b>Session 3</b>    | 05.50 PM - 06.15 PM | Q&A Session                       | LT4                         |

## Sessions:

### Session 1: Group Discussions

The attendees will be divided into 4 groups, each group assigned with one of the panelists and a GSS Facilitator. The session will directly engage with the group on ideas and issues raised by individuals on the panel topic. The panelists will also share their opinions along with other group members and may focus on a specific theme within the topic

| Group   | Panelist         | Facilitator       | Venue    |
|---------|------------------|-------------------|----------|
| Group 1 | Dr. Li Haizhou   | Rethnaraj Rambabu | E5-02-32 |
| Group 2 | Benjamin Anthony | Sivam Pillai      | E4-04-02 |
| Group 3 | Adhiraj Saxena   | Naveen Punnoose   | E4-04-03 |
| Group 4 | Ujjwal Kumar     | Ayush Kumar       | E4-04-04 |

### Dinner Break and Networking

The panelists and the audience will assemble outside LT4 where light dinner will be provided. This time can also be used for networking amongst attendees and the panelists.

### Session 2: Panel Introduction

The panel will assemble back in the Lecture Theatre where the audience will be introduced to the Panel. Each panelists will take about 5 minutes to share their ideas based on their professional experiences and also make comments on their observations from Session 1.

### Session 3: Q&A Session

The panel will be opened for questions from the audience and the moderator will facilitate the session

## GSC Member Roles:

### Moderator

The moderator will look after the overall operation of the program. The moderator will also engage the panelists and the audience and take questions and direct it to the appropriate panelists as required.

### Facilitators

During session 1 each group will be allocated with a GSC Member who will act as a facilitator for the group discussion. The facilitator will make sure that the participants are taken to the appropriate venue and the schedule is adhered to. The facilitator will also help direct the discussions and engage the audience and the panelists

## For Further Details Contact

NUS ECE Graduate Students Council: [nusecegsc@gmail.com](mailto:nusecegsc@gmail.com)

Moderator: [s.pillai@u.nus.edu](mailto:s.pillai@u.nus.edu)