

**INSTITUTE OF MATHEMATICAL SCIENCES
UNIVERSITI MALAYA**

SIRI SEMINAR KUMPULAN PENYELIDIKAN

Title: Ranking Nodes in a Complex Network.

Speaker: Prof. Dr. Kuru Ratnavelu
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Professor, UCSI University (2020 - present)
Foundation Director of ICS DI (2020 - 2021)
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Date: 01/04/2022 (Friday)

Time: 10.00 am – 11.00 am

Venue: Google Meet
Google Meet joining info
Video call link: <https://meet.google.com/ezv-jmnf-fhq>
Or dial: (US) +1 954-688-3131 PIN: 667 097 185#

ABSTRACT

The increasing influence of network analysis in human activities has a tremendous impact on its utility in many diverse fields. Among its key role is the ranking of nodes in a network. It played a pivotal role in various activities, such as ranking web pages to the ranking of scientists based on citation networks to cancer genes in proteomic data. In the last two decades, we have seen the increasing popularity of various of these algorithms, such as Pagerank (PR) and HITS. This talk will review some of these algorithms and the mathematics that underlies these algorithms.

All are Welcome