Talk Series on Emerging Technologies - Science, Opportunities & Challenges 2022

Cloud Computing
(E1TEC008T)

- **Speaker:**
  Prof. Xiaoming Yuan (HKU)

- **Date & Time:**
  23 July 2022 (Sat), 10 a.m. - 12 noon

- **Venue:** Online via Zoom Meeting

- **Target Participants:**
  - Secondary School Teachers of Science
  - S.1-S.6 Secondary School Students Only

- **Language:** English

- **Registration:**

  HKAGE members: Click here

  Non-HKAGE members: Click here

  Teachers (via EDB): Click here

  For more details and registration, please visit:
  https://www.hkage.org.hk/en/talk

Cloud Computing is a new economic infrastructure in the era of big data and artificial intelligence (AI). It provides technologies to operate massive data. However, many challenges in cloud computing remain essentially unsolved while new ones emerge constantly; solving them requires solid and new mathematical knowledge. Speaker will introduce some basic operational research models (e.g., the bin packing problem and the assignment problem), and showcase how to generalize them to capture some important cloud computing problems. Speaker will also explain why it is challenging to design efficient algorithms for these models, and hopefully to inspire more thoughtful ideas.