111 學年度數學系系友分享座談會

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時間：April 27, 2023 (Thur.) 19:00 ~ 20:30

地點：第三綜合大樓 101 教室

講題：淺談計算機與其運用的發展
The Evolution Path of Computer and Its Applications

摘要：

The rapidly improved semi-conduct technology has pushed the development of computers to a different level. Today, we have multi-core (multiple CPUs) and GPU (Graphic Processing Unit) in a computer or a server. In addition, the cheap and powerful embedded processors are used in many devices to support various applications. On the data communication side, Internet can reach to every corner of the earth and wireless communication is moving from 5G to 6G now. The same can be apply to data storage devices. The capacity of the modern disk drives will reach to more than 20 Terabyte per device. We will review the evolution path of these developments. At the meantime, we will introduce the current and future development in AI (Artificial Intelligence) and ML (Machine Learning), quantum computing, blockchain, DNA storage, and the new concept of computing in-X (X can be either memory, storage or networks).

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