# 國立中興大學資料科學與資訊計算研究所 學術演講

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**講題：**

**Trusted IoT Framework**

**摘要：**

In these years, IoT and Blockchain have been considered as one of the most promising candidates for innovative application development and data/event management platform technology. The industries and academic communities have also dedicated their efforts on the development of blockchain-enabled data/event management architecture for heterogeneous IoT-based application systems. In this talk, we will introduce a trusted IoT framework. Topics includes (a) intelligent access for heterogeneous IoT end-devices; (b) crypto-modules for IoT intelligent devices; (c) ability of accessing blockchain with smart contract technique; (d) co-operation interface (with predefined common data format) for heterogeneous IoT gateways; (e) IoT device and identity management; (f) cross-blockchain transaction interoperability; and (g) risk assessment for integrated Blockchain circumstances with intelligent end-devices.

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