DATE:
FRIDAY, 6 DECEMBER 2019

TIME:
9AM TO 5PM

VENUE:
SCHOOL OF CONTINUING EDUCATION, HONG KONG BAPTIST UNIVERSITY, 26/F, WU CHUNG HOUSE, 213 QUEEN'S ROAD EAST, WAN CHAI, HK

MEDIUM OF INSTRUCTION:
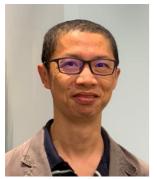CONDUCTED IN ENGLISH

CPE HOURS:
8 CPE HOURS

REGISTRATION

Online Registration

Registration Deadline:
Monday, 25 November 2019

ENQUIRY

Tel: (852) 8101 2801
Email: events@isaca.org.hk

ONE DAY WORKSHOP

BLOCKCHAIN – IDENTITY MANAGEMENT, SECURITY AND CONTROLS

Identity is never a new matter: we are dealing with identity every day. The most tangible identity is our identity card issued by government. Identity is more than that. In a digital world, identity is even more demanded and complicated as we are now interacting with numerous applications or web sites. The lack of face-to-face verification requires additional measures.

Today most applications either build their own authentication system or leverage other identity providers. Thanks to the development of distributed ledger technology (DLT), or more commonly known as Blockchain, there is a new way handling identity. Self sovereign identity (SSI) has been a hot topic in the last two years and we start seeing some solid development. SSI helps you gain back control of your own identity, and with help of zero knowledge proof (ZKP) you can have a better way keeping your own information.

In this workshop we will first examine identity as a whole and the current approach of identity in digital world. We will also cover some fundamental blockchain knowledge, good enough for us continue to set sail on the identity on blockchain. Specifically, we examine two different approaches on doing SSI: Hyperledger Indy / Sovrin and ERC 725/735, and see some demonstrations on both of them.

SPEAKER

Mr. KC Tam, Founder of LedgerTech and Lead Instructor of Blockchain Educators

KC has spent more than 20 years in various technology areas and recently his focus is on blockchain. He believes that this technology brings new values disrupting both business world and general public. His knowledger covers both public permissionless blockchain like Ethereum and private blockchain solution like Hyperledger Fabric. His focus is to explore the mechanism of these blockchain platforms and how applications are built on top of them.

He currently provides consulting service and workshop to clients, helping them grasp the ideas of blockchain technology and how relevant it is to their business, either evolving those existing or something totally new. He also provides a variety of training classes, from fundamental to advanced, from basic concept to hands-on practice, for both business and technical personnel. He authors more than 50 articles about blockchain technology and applications in the past two years, which attract more than 15,000 views each month globally. His works can be found here http://www.ledgertech.biz/articles.

WORKSHOP OUTLINE

1. Identity in Today's Digital world
   a. Identity
   b. How application / web sites authenticate a user
   c. Problems

2. Blockchain Revisit
   a. Data immutability and traceability
   b. Typical blockchain operation when handling a transaction
   c. Permission of blockchain: permissioned vs permissionless blockchain
   d. Zero Knowledge Proof (ZKP) Overview

3. Concept of Self Sovereign Identity (SSI)
   a. Decentralized Identity (DID)
   b. Claims and Credentials
   c. Roles: Issuer, Holder, Verifier

4. Hyperledger Indy / Sovrin
   a. Overview
   b. Walk through an example of Hyperledger Indy
   c. Latest development of Hyperledger Indy

5. ERC725/735
   a. Overview
   b. Walk through an example of ERC725/735
   c. Latest development of ERC725/735

6. Closing

WORKSHOP FEES

	Early bird (Deadline: On or before 25 Nov 2019)	Regular (Deadline: On or before 2 Dec 2019)
ISACA Member	HK$ 2,000	HK$ 2,200
Member of HKACFE/ HKCS/ HKICPA/ CPA Canada/ IIA HK	HK$ 2,400	HK$ 2,600
Non-member	HK$ 3,000	HK$ 3,200

Remarks: -
- Enrolment is on first-come-first-served basis.
- ISACA China HK Chapter reserves the right to cancel or reschedule the workshop.
-

CERTIFICATE

A Certificate of Completion will be given on full participation of the workshop.

(Please keep the certificate as a CPE proof.)