Travel Report for SSIC

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1 My view of SSIC

SSIC is the abbreviation of Smart cities, industrial control system and communications. The conference is held at Shanghai, China. In total, there are nine sessions.

- Wireless network security. In this session, four papers are presented. I am interested in two papers that energy cost and machine learning technology are applied.

- Image analysis and processing. In this session, the main focus is deep learning and metadata.

- Attacks and intrusion detection. As a traditional research area, more and more new technology are applied, e.g., feature self-learning and multi-SND.

- Social networks. The popularity of social network, e.g., Facebook, Twitter, and Wechat, motives more and more researches. However, the rumour always spreads over the network. It is difficult to find a perfect solution to avoid the rumour. In addition, marketing is also a hot topic.

- Industrial control system. I come for the industrial control systems and find that topic is hard to do practical research. Based on the presentation made by the researchers, the cost could reach from million to billion. The whole system is expensive and hard to measure each component.

- Vehicular networks. The presenter treats an autonomous car as an elephant. Each component should be well arranged.

- Cloud computing security. Matrix multiplication is common for many applications. However, It is hard to implement in a privacy-preserving way. The authors designs a protocol to maintain the privacy while the computation is done. In addition, searchable encryption is also applied in cloud computing.

- Cryptography services. This session gives an impression of applying different cryptography tools to design a new mechanism.

- Blockchain. The last topic is a blockchain. Even though it is not as hot as two years ago but it still attracts a lot attention. Many researchers have strong desire to investigate inside of the blockchain.

2 Acknowledgement

I really appreciate Coins for providing me such a valuable chance and i also thank all the presenters for their interesting work and those people discussed with me about the interesting topics. Last but not least, i need to say thank you to all the people who work for this conference. Because of them, we can enjoy the conference.