



APrIGF Macao 2015 Workshop Summary Report

Date: July 1, 2015

Time: 16:00 ~ 17:30

Workshop Title: Information Security and Privacy in the IoT Era

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Gender Balance (approx. number of female vs. male participants) 10:40

Moderators: Dr. Ki Shik Park, ETRI Special Fellow

Panelists:

Mr. Adli Wahid (APNIC)

Prof. Mr. Peng Hwa Ang (Nanyang University)

Prof. Mr. Jeong Sun-Phil (BNU-HKBU)

Mr. Samuel Park (Korea Internet & Security Agency)

A brief summary of presentations (If any)

1st Presentation by Mr. Adli Wahid (Asia Pacific Network Information Centre)

Title: Securing the Internet of Things

Summary: Security Risks and Security Considerations are main talking points; introducing the Internet of Things, addressing the current security problems with comparison to the state of security in the non-IoT devices and challenges of securing IoTs are discussed.

2nd Presentation by Prof. Mr. Peng Hwa Ang (Nanyang University)

Title: Privacy and the Internet of Things

Summary: The current IoT privacy issues are addressed. How we should respond and prepare the IoT services?

3rd Presentation by Prof. Mr. Jeong Sun-Phil (BNU-HKBU)

Title: Security Issues on IoT in China

Summary: The current IoT issues, security problems and case studies in China are introduced. Chinese government policies regarding the IoT matters are discussed further.

4th Presentation by Mr. Samuel Park (Korea Internet & Security Agency)

Title : Human Centric Internet for the Future

Summary: The current Internet services, trends and security problems are explained. KISA's activities in cybersecurity areas are introduced and a global cooperation in cybersecurity is suggested with the introduction of its initiative "CAMP: Cybersecurity Alliance on Mutual Progress".

A substantive summary and the key issues that were raised:

There were about 50 participants in the workshop. The moderator commenced the session by introducing the background of workshop and the panel. 4 panelists delivered presentations to set the scene for the workshop topic '**Information Security and Privacy in the IoT Era**'. Q&A session was conducted. There was a question about the scope of KISA's work and its relationship with the Korean government. Mr. Samuel Park explained about KISA's statutory position and its main missions as a hub organization in the field of Information Security and Internet Promotion in Korea. There was a concern on the lack of a university curriculum of Information Security and a question on whether the panel had ever given thought on having a community driven education course or some certification program. Mr. Adli Wahid responded with the current practices of the technical community.

It was noted that most questions and discussions are focused on Privacy issues. A question was raised on the concept of Small data in comparison with Big data and a clarification was made by Prof Ang. The discussion also touched how the standard of Privacy can be regarded at the same level, given different culture in each country. With examples of recent new data protection laws in Asia Pacific region, the concept on Personal Identifiable Information, a legal definition by U.S., was introduced. There were concerns on data collection and Privacy infringement. There was an opinion we may need an education for Privacy from the beginning. The session adjourns, concluding Privacy is based on the culture and we need to understand Privacy in our cultures and region to have a right law.



Conclusion & Further Comments:

The Internet has made our lives better by facilitating rapid economic progress. With the development of technologies, the Internet is playing an important part as it is one of the most forward-looking media. However, it has also brought adverse effects. To sustain the benefits from the Internet, Korea Internet & Security Agency (KISA) held the workshop with the experts and shed new light from the a human-centric point of view. The panelists provided best practices and insights as food for thought and also, with the audience, explored what are human-based technologies and standards in Information Security and Privacy. It was meaningful to figure out the interest of participants from Asia Pacific region in terms of Information Security and Privacy. KISA learned its lesson from the workshop and may consider a workshop on Privacy as a sequel in the next APrIGF.

Key messages from the session:

Understanding people and culture is an essential prerequisite for the cyber ecosystem to flourish. We need to focus more on the human dimension, rather than just the technical dimension. Put people at the center of everything and find human centric solutions. And at the core of this, we need an education and collaboration.