

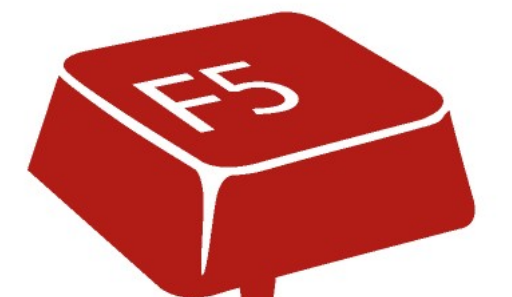
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KEYBOARD WARRIORS, TAKE IT TO THE STREET

IoT: Privacy Threats to Ordinary Users

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Spokesperson for Keyboard Frontline

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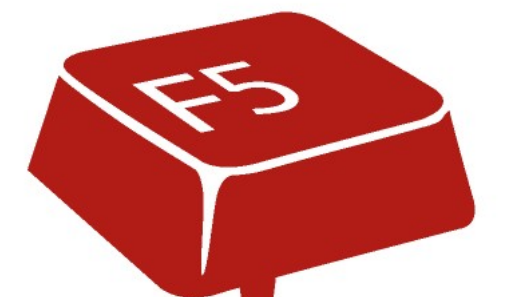
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IoTs & Ordinary Users

IoTs refers to "a global network infrastructure, linking physical and virtual objects through the exploitation of data capture and communication capabilities. This infrastructure includes existing and involving Internet and network developments. It will offer specific object-identification, sensor and connection capability as the basis for the development of independent cooperative services and applications. These will be characterised by a high degree of autonomous data capture, event transfer, network connectivity and interoperability."

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IoT & Ordinary Users

- IoTs provide a convenient,

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Privacy Threat to Users

- Enabling unauthorized access
- Surveillance
- Misuse of personal information
- Inadequate law enforcement
- Lack of awareness in personal privacy

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Enabling Unauthorized access

Lack of security in devices

- Poor security awareness and poor security practice
- Compromised devices may lead to compromization of the network that it is linked to

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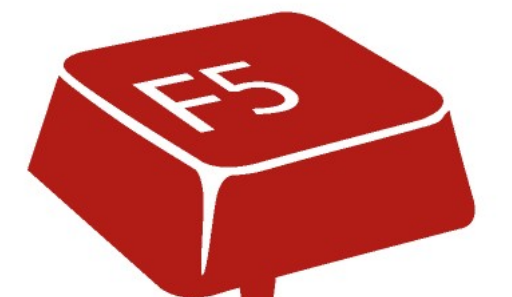
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Surveillance

- IoT systems have the potential to enable a systematic mass surveillance and to violate the personal privacy of users
- ICSO provides inadequate protection to citizens
- Smart City in Kowloon East

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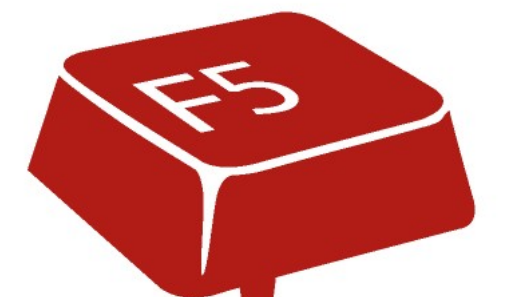
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Misuse of Personal Information

- IoTs requires a lot of information from users
- The system may reveal information on individuals, their habits, location, interests and other personal information and other preferences stored for ease of use in systems
 - identity thefts
- Traceability / profiling / unlawful processing

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Inadequate Law Enforcement

- Current PCPO is not up-to-date
- Data retaining period
- Service Providers' practise

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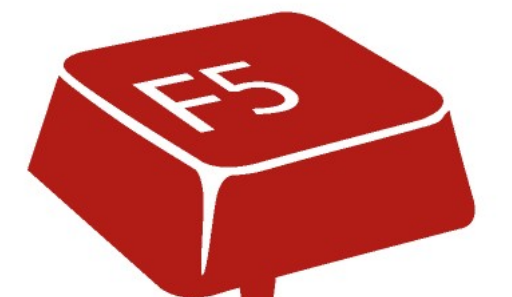
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Lack of Privacy Awareness

- Hong Kongers cannot care less about their own data
- Poor data protection practice

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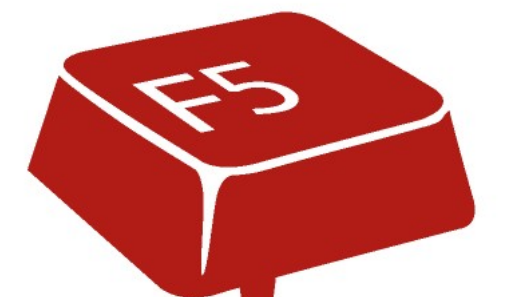
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Objectives to be attained

- A safe and secure IoTs system:
 - RFID Privacy Impact Assessment framework
- Update PCPO
- Education

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Thank You!

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