

## **Biography and Past lectures**

### **Prof. Isao Echizen**

Isao Echizen received B.S., M.S., and D.E. degrees from the Tokyo Institute of Technology, Japan, in 1995, 1997, and 2003, respectively. He joined Hitachi, Ltd. in 1997 and until 2007 was a research engineer in the company's systems development laboratory. He is currently an advisor to the director general of the National Institute of Informatics (NII), a professor in NII's Information and Society Research Division, and a professor in the Department of Information and Communication Engineering, Graduate School of Information Science and Technology, The University of Tokyo, Japan. He is also a visiting professor at the Tsuda University, Japan, and was a visiting professor at the University of Freiburg, Germany, in 2010 and at the University of Halle-Wittenberg, Germany, in 2011. He is currently engaged in research on multimedia security and multimedia forensics. He currently serves as a research director in CREST Trusted quality AI systems project, JST (Japan Science and Technology Agency). He received the Best Paper Award from the IPSJ in 2005 and 2014, the Fujio Frontier Award and the Image Electronics Technology Award in 2010, the One of the Best Papers Award from the Information Security and Privacy Conference in 2011, the IPSJ Nagao Special Researcher Award in 2011, the DOCOMO Mobile Science Award in 2014, the Information Security Cultural Award in 2016, and the IEEE Workshop on Information Forensics and Security Best Paper Award in 2017. He was a member of the Information Forensics and Security Technical Committee and the IEEE Signal Processing Society. He is the Japanese representative on IFIP TC11 (Security and Privacy Protection in Information Processing Systems).

### Keynote

1. I. Echizen, "Real or Fake? The Future of biometric data protection," 2021 2nd Asia Service Sciences and Software Engineering Conference, February 25, 2021
2. I. Echizen, "Protection and Use of Biometric Identity Information – New Possibilities for Media Security and Privacy –," The 4th IEEE Cyber Science and Technology Congress, Japan, August 5, 2019
3. I. Echizen, "PrivacyVisor: Privacy Protection for Preventing Face Detection from Camera Images," Workshop on Obfuscation, New York University, USA, April 2017
4. I. Echizen, "PrivacyVisor: method for preventing privacy invasion through face

- recognition from camera images,” 2nd International Conference on Wireless Communication and Sensor Network (WCSN 2015), China, (December 12, 2015)
5. I. Echizen, “Security and privacy challenges at border between cyber and physical worlds,” IEEE International Symposium on Intelligent Signal Processing & Communication Systems (ISPACS 2014), Malaysia, (December 3, 2014)
  6. I. Echizen, “Security and privacy challenges at border between cyber and physical worlds,” The Tenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIH-MSP 2014), (August 28, 2014)

#### Invited talk

1. Isao Echizen, “Real or Fake? The Future of Media Security and Privacy,” The 7th International Symposium toward the Future of Advanced Researches in Shizuoka University (ISFAR-SU2021), (March 5, 2021)
2. Isao Echizen, “Real or Fake? The Future of Media Security and Privacy,” Line Developer Day 2020, (November 25, 2020)
3. Isao Echizen, “Security and privacy challenges at border between cyber and physical worlds,” Program for Interdisciplinary Key-Research International Symposium “Research Platform for Yotta-Scale Data Science,” Tohoku University, (March 11, 2017)
4. Isao Echizen, “Security and privacy challenges at border between cyber and physical worlds,” 2016 Alpbach Technology Symposium, European Forum Alpbach, (August 26, 2016)
5. Isao Echizen, “Privacy visor: Wearable device that transmits invisible noise signals for preventing face recognition from camera images,” International Workshop on Security 2013 (IWSEC 2013), (November 18, 2013)
6. Isao Echizen, “Privacy Visor: Method for Preventing Privacy Invasion Through Face Recognition from Camera Images,” Smart Fabrics Europe, Barcelona, SPAIN, (October 31, 2013)
7. Isao Echizen, “Privacy visor: wearable device for preventing privacy invasion through face recognition from camera images,” The 5th International Workshop on Information Systems for Social Innovation, (February 26, 2013)
8. Isao Echizen, “Privacy Visor: Method for Preventing Privacy Invasion through Face Detection from Camera Images Based on Differences in Sensory Perception between Humans and Devices,” Sokendai International Symposium 2012, (December 14, 2012)
9. Isao Echizen, “Current research: IR hiding: method for preventing illegal recording

of displayed content,” Invited talk at University of Halle-Wittenberg, (November 2, 2011)

10. Isao Echizen, “Basic motivation and introduction in Information Security,” Invited talk at University of Halle-Wittenberg, (November 1, 2011)
11. Isao Echizen, “IR Hiding: Method for Preventing Illegal Recording of Displays based on Differences in Sensory Perception between Humans and Devices,” Invited talk, ICT Resilience Workshop in Karuizawa, Japan, (August 1, 2011)
12. Isao Echizen, “Video watermarking and its application in a secure content distribution,” Department of Electronic Engineering, Invited at National Kaohsiung University of Applied Sciences, (April 23, 2008)