Speaker and Speech Information

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Education

- Bachelor, Department of Electric Engineering, Tam Kang University. 1993~1997.
- Ph D., Computer Science, National Tsing Hua University. 1997~2002.

Biography

- Research Assistant Professor, Computer Science, National Chiao Tung University. 2002~2007.
- Assistant Professor, Computer Science and Information Engineering, National Ilan University. 2007~2010.
- Associate Professor, Computer Science and Information Engineering, National Ilan University. 2010~2016.
- Professor, Computer Science and Information Engineering, National Ilan University. 2016~now.
- Director, Computer Science and Information Engineering, National Ilan University. 2018~2013.
- Dean, Library and Information Center, National Ilan University. 2014~2016.

Dr. Chen is an IEEE member and also an ACM member. He has actively participated in IEEE 802.16 standardization and was a voting member of the IEEE 802.16 working group. He served as Guest Editor of IET Communications and Wireless Personal Communications (WPC). Dr. Chen is the member of Editorial Boards of Journal of Internet Technology (JIT) and IET Networks and Open Journal of Internet of Things (OJIOT).

Awards:

- Best paper awards in NCS2003, NCS2005, CSICST2014, ECC2014.
- MOE Taiwan Academic Network (TANet) outstanding contribution award in 2009.
- Outstanding Teaching Award of EECS College in 2010 and Outstanding Teaching Award of NIU in 2014.
- MOE Teaching Excellence Program (NIU), Excellence Award in 2015.
- NSC/MOST Retaining Talent Program (NIU), 2011~2014.

Research Interests:

Performance Measurement, IP Multimedia core-network Subsystem (IMS), Voice over IP (VoIP), IP mobility management, and IPv6 Addressing and Transition Issues.

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Title: ENUM-based Number Portability for IMS/VoLTE Platform

Abstract

Typically, people like new services and prefer lower service rates. However, while changing the mobile operators, the subscribers should change the original Mobile Station International Subscriber Directory Numbers (MSISDNs) and notify their new MSISDNs to their friends and families. Since the effort of changing the MSISDNs is huge, the subscribers may give up using the new services and enjoying lower service rates. The Number Portability (NP) service enables the subscribers to keep their original MSISDNs while changing their mobile operators. The NP service is very important in LTE and 5G mobile communications. In this talk, we introduce the NP service for LTE and 5G. Especially, we elaborate the call routing mechanisms and the enhanced mechanisms based on E.164 Number Mapping (ENUM) and the IP Multimedia Subsystem (IMS) architecture.