

PROFILE



Yong Chang/Ph.D.

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NOMINATION (FOR TP LEADERSHIP)

Yong Chang is nominated for oneM2M Technical Plenary Vice Chair, supported by TTA, South Korea

MOTIVATION (FOR TP LEADERSHIP)

Up to now, there exist some challenges to the success of M2M in the industry. For examples,

- Identifying Business Models
- Overcoming Market Fragmentation
- No Global Standards
- Creating M2M Applications
- Reduction of M2M Value Chain Complexity
- Partnerships between MNO, Machine Vendors, HW Vendors and wireless service providers
- Market & Industry Education, and
- Efficient M2M Device Certification.

But, recently there is a good news that we have. That is “oneM2M” newly organized in July because “oneM2M” is not merely the SDO. “oneM2M” is the unique and best place for the industry to resolve all existing challenges to the success of M2M based on the global collaboration among all relevant M2M verticals and IT industry. So, Dr. Yong Chang has been very happy to participate in the launch of “oneM2M” and to collaborate with many experts and colleagues in one M2M.

Dr. Chang is very well expertised in wireless technologies (e.g., cdma2000 1x, 1x EV DO/DV, W-CDMA, IEEE802.16e, 3G LTE(Long Term Evolution), Mobile WiMAX, Beyond 4G) and those applications to convergence among the mobile/fixed application, M2M vertical markets such as Smart Home, Connected Health, Smart Grid, Connected Car, and so on. And, he is also making a

great contribution to the M2M vertical industry in M2M, Smart Grid/Smart Home, Connected Health domain and is making a good collaboration with various M2M vertical leaders.

So, his experience and expertised knowledge in taking a TP leadership will be very helpful to the success of “oneM2M” global standard and further M2M business success.

PROFESSIONAL EXPERIENCE

- **2011~ Present Connected Health Technology Enabling & Standardization** as the Project Head of Connected Health Technology Enabling & Standardization, and global collaboration with industry
- **2010~ Present Smart Grid/Smart Home Technology Enabling & Standardization** as the Project Head of Smart Grid/Smart Home Technology Enabling & Standardization, and global collaboration with industry in DMC R&D Center
- **2009~ Present M2M(Machine to Machine) Technology Enabling, Standardization and Global Collaboration** as the Project Head of M2M Technology Enabling, System Architect & Standardization, and global collaboration with industry in DMC R&D Center
- **2010 GSMA Embedded Mobile Competition Best Award at MWC'10** as the Project Head in the company
- **2009~2010 LTE/SAE IOT & IODT** as the Project Head of Inter-Operability Testing/Certification for operating LTE/SAE in DMC R&D Center
- **2007~2009 4G Wireless Technology System Development and M-WiMAX standardization** as the Project Head of Standards and Inter-Operability Testing/Certification for operating IEEE802.16e and Mobile WiMAX systems in Telecommunication & Network Business Division
- **2006~2007 4G Wireless Technology System Development and IEEE802 standardization** as the Project Manager of Standards and System Engineering for developing IEEE802.16e and Mobile WiMAX systems in Telecommunication R&D Center
- **2004~2006 New Wireless Technology System Development and 3GPP/3GPP2/IEEE802.16 standardization** as the Project Manager of Standards and System Engineering for developing WCDMA, CDMA, IEEE802.16e and Mobile WiMAX systems in Telecommunication & Network Business Division.
- **2003~2004 W-CDMA and CDMA 2000 1xEV-DO/DV System Development and 3GPP/3GPP2 standardization** as the Project Manager of Standards and System Engineering for developing the WCDMA, CDMA systems in Telecommunication & Network Business Division.
- **1998~2003 CDMA2000 1x/1xEV-DO/1xEV-DV System Development and 3GPP2 TSG-A/X/P/S Standardization** as the Project Manager of Standards & System Engineering for developing CDMA systems in Telecommunication & Network Business Division.

STANDARDS EXPERIENCE

- 2012-Present Convenor/Co-convenor of oneM2M SC and TP
- 2011-Present Board of Director of CABA
- 2011-2012 Convenor/Co-convenor of M2M Consolidation Meetings as a representative of Asia
- 2011-Present Chair of Collaboration between U.S and Korea in Smart Grid (SGIP – KSGF)
- 2009-2010 Champion for GSMA Embedded Mobile(M2M) Connected CE
- 2009-2010 Representative of Samsung Electronics in NGMN/LSTI
- 2005-2009 Co-Chair of Mobile WiMAX NWG standardization
- 2003-2005 IEEE 802.16 standardization as delegate of Samsung Electronics.
- 1998 -2003 3GPP W-CDMA, 3GPP2 CDMA 2000 & 1xEV-DE/DV System Standardization as a HoD of Samsung Electronics Telecommunication & Network Business Division

EDUCATION

- 1998 Ph.D. degree of Korea Advanced Institute of Science and Technology in South Korea

OTHERS

- Authored/co-authored approximately 25 SCI indexed international papers/ international conference/magazine papers, book of technology.
- Authored/co-authored several hundreds contributions to 3GPP, 3GPP2, IEEE802.16, Mobile WiMAX, NGMN, LSTI and so on.
- Awarded many times for excellent papers and standard activities.