

Dr. Yoshiaki ICHIKAWA

Japan's candidate for the IEC Thomas Edison Award 2016

Dedicated to IEC work as **Chair of TC 111**

Former **Convenor of IEC TC111 WG2**
of **IEC/TC111** (Environmental standardization for
electrical and electronic products and systems) ,
one of largest Technical Committees in IEC



- **Develop IEC horizontal standards in the field of environmental issues for generic EE products**
 - Ecodesign (worked as a convenor) and resource efficiency of products
 - Material declaration and chemical composition analysis
 - Greenhouse s reduction and evaluation including Carbon Footprint
- **Promotion and enhancing values of IEC standards through integration into policy frameworks**
 - IEC 62321 series was normatively referenced in EN 50581 (harmonized standard for RoHS directive)
 - IEC TR 62635 were incorporated into the European Policy Document on Resource Efficiency
 - IEC 62474 was referenced by US EPEAT standards for Public Green Procurement
- **Efforts to achieve effective collaboration between other SDOs and to exhibit IEC leadership**
 - Launched the history first joint working group between ISO TC 207; JWG Environmentally Conscious Design (IEC led).
 - Exhibit leadership for coordinating IEC and ISO in the field of Smart Cities

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ROLES IN IEC

- 2009 – present: Chair of IEC TC111
- 2014 – 2015: CAG member and expert in IEC SEG1 (Smart Cities)
- 2005 – 2009: Convenor of IEC TC111 WG2
- 2007 – 2008: Expert of IEC TC108 PT 62075

MEMBERSHIP OF PROFESSIONAL / STANDARDIZATION ASSOCIATIONS

- 2013 – present: Expert of ISO TC 269 *Railway applications*
- 2012 – present: Chair of ISO TC 268/SC 1 *Smart community infrastructures*
- 2012 – present: Expert of ITU-T SG 5 *Environment and climate change*
- 2010 – 2013: Co-Chair of GHG management WG, World Business Council on Sustainable Development
- 2009 – present: Expert of ISO TC 207 SC7 *GHG management* and SC4 *Env. performance*

PROFESSIONAL BIO

- 2013 – present: Head of Chief Architect Office, Global Center for Social Innovation, Hitachi, Ltd.
- 2013 – 2015: Senior Chief Engineer, Corporate International Standard Office, Hitachi, Ltd.
- 2007 – 2012: Senior Chief Engineer, Corporate Environmental Policy Division, Hitachi, Ltd.
- 2000 – 2006: Director, Environmental Solution Center, Industrial Systems Division, Hitachi, Ltd..
- 1996 – 1999: Chief engineer, Omika Works, Hitachi, Ltd.
- 1979 – 1995: Research Scientist, Energy Research Laboratory, Hitachi, Ltd.
(During this period: Visiting Scientist at Carnegie Mellon University)
- 1987 Dr. Eng: University of Tokyo, Tokyo, Japan,
- 1979 B.S.: Mechanical Engineering, University of Tokyo