

**Presentation of the 2011 IEEE Kiyo Tomiyasu Award  
To  
Moe Z. Win**

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Gordon W. Day  
IEEE President-Elect

Thank you Professor Poor. It's my privilege to be here today to represent the IEEE Board of Directors in the presentation of the IEEE Kiyo Tomiyasu Award.

The Kiyo Tomiyasu Award is sponsored by Dr. Kiyo Tomiyasu, the IEEE Geoscience and Remote Sensing Society, the IEEE Microwave Theory and Techniques Society, and KDDI R&D Laboratories, Inc. It recognizes outstanding early- to mid-career contributions to technologies holding the promise of innovative applications.

Today we bestow this honor on an IEEE Fellow, Professor Moe Z. Win, of the Massachusetts Institute of Technology, "for fundamental contributions to high-speed reliable communications over optical and wireless channels."

Professor Win's work on impairment mitigation techniques for wireless and optical channels has had an important impact on several current and emerging communications technologies. He developed hybrid diversity techniques for wireless systems, techniques that reduce complexity and energy consumption compared existing techniques. His work contributed to reliable wireless access, enabling practical spatial and temporal diversity solutions, such as subset combining multiple-antennas and Rake receivers. And in an area close to my own heart, Prof. Win developed signal-processing techniques that mitigate dispersion and nonlinearities in optical fibers, making it possible to reliably transmit data over longer distances at higher data rates.

One of the people who endorsed his nomination wrote, "Professor Win's work has served as a fundamental kernel upon which other leaders in the field ... have found insight and built their research. His contributions are significant in their creativity, breadth, and depth. His research in robust and reliable wireless communication via hybrid diversity techniques has led to new breakthroughs and changed conventional theories and practice."

Prof. Win has served IEEE as a journal editor, an organizer of international conferences, and as the chair of the Communications Society's Radio Communications Committee. He was elected IEEE Fellow in 2004 "For contributions to wideband wireless transmission," and shared the 2006 IEEE Eric E. Sumner award for "For pioneering contributions to ultra-wideband communications science and technology." He is a former Fulbright Fellow and a recipient of the U.S. Presidential Early Career Award for Scientists and Engineers. Prior to joining MIT, he was with AT&T Research Laboratories and with the Jet Propulsion Laboratory.

It's always a special pleasure to recognize people for achievements early in their careers.

Please join me in congratulating the 2011 recipient of the IEEE Kiyo Tomiyasu Award, Moe Z. Win!