

## **White House to Honor Academician Chenming Hu with National Medal of Technology and Innovation**

Academician Chenming Hu has been selected to receive the National Medal of Technology and Innovation which is the highest honor for achievement and leadership in advancing science and technology in the USA, the White House announced on December 22, 2015. Dr. Hu is one of eight recipients who will receive their medals from President Obama at a White House ceremony early this year.

The National Medal of Technology and Innovation was created by statute in 1980. A distinguished independent committee representing the private and public sectors submits recommendations to the U.S. President. The award recognizes those who have made lasting contributions to national competitiveness and quality of life and helped strengthen national technological workforce.

Dr. Hu is a Taiwan Semiconductor Manufacturing Company (TSMC) Distinguished Professor Emeritus of the University of California, Berkeley. He was the Chief Technology Officer of TSMC from 2001 to 2004. Academician Hu is a microelectronics visionary, whose research has contributed to making smaller, more reliable and higher performance microchips. Dr. Hu's transistor models, the BSIM series, are the world standards for simulating micro-circuits since 1996, and hundreds of billions of dollars' worth of microchips have been designed using his models, which he provided free to the industry. Dr. Hu's new 3D transistor structure FinFET is replacing the transistors used by industry for the past five decades. Today it is used in the top Apple and Samsung cell phones, computer servers and other high performance applications. His transistor will allow the further growth of the electronics and information technology industries.

Dr. Hu has been granted over 100 US patents and published 5 books and over 900 research papers. He is a member of US National Academy of Engineering (1997), Academician of Academia Sinica (2004), Asian American Engineer of the Year (2011), and received the Phil Kaufman Award (2013) for electronic design. Hu also received the Berkeley distinguished Teaching award, UC Berkeley's highest honor for teaching.

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