



July 29, 2014

Analog Devices' Bob Adams Awarded 2015 IEEE Donald O. Pederson Award in Solid-State Circuits

NORWOOD, Mass.--(BUSINESS WIRE)-- Analog Devices, Inc. (NASDAQ: ADI) Technology Fellow Bob Adams, a leader in the development of groundbreaking multi-bit sigma-delta data converters, has been selected to receive the 2015 IEEE (Institute of Electrical and Electronics Engineers) Donald O. Pederson Award in Solid-State Circuits by the IEEE Board of Directors. Adams' distinguished career spans decades and includes many groundbreaking inventions across a wide range of disciplines, including the fields of audio conversion and DSP (digital signal processing).

The IEEE Donald O. Pederson Award in Solid-State Circuits traditionally has been awarded to high-profile academics, but Adams is among a few very select group from an industry background.

In a letter from IEEE President, J. Roberto de Marca he congratulated Bob Adams, "For his [Adams] contributions to noise-shaping data converter circuits, digital signal processing, and log-domain analog filters." and that "His exceptional achievements and outstanding contributions have made a lasting impact on technology, society, and the engineering profession."

Adams, who was named an IEEE Fellow and an Analog Devices Fellow in 2011, also is a Fellow of the Audio Engineering Society (AES), and has had more than 40 papers published by the IEEE and the AES. Adams has led pioneering work in the electronics industry, including developing and publishing the theory of stabilizing high-order noise-shaping loops and developing the first integrated asynchronous sample-rate converter for audio applications. These innovations helped to yield high-quality, cost-effective audio systems for consumer, automotive, and other end markets while delivering performance levels previously available only to professional sound engineers. Adams was also the first to discover log-domain filters and published the original paper describing their operation. He has been granted 32 patents.

About IEEE

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About Analog Devices

Innovation, performance, and excellence are the cultural pillars on which Analog Devices has built one of the longest standing, highest growth companies within the technology sector. Acknowledged industry-wide as the world leader in data conversion and signal conditioning technology, Analog Devices serves over 60,000 customers, representing virtually all types of electronic equipment. Celebrating 50 years as a leading global manufacturer of high-performance integrated circuits used in analog and digital signal processing applications, Analog Devices is headquartered in Norwood, Massachusetts, with design and manufacturing facilities throughout the world. <http://www.analog.com>

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