About Professor Akram Aldroubi

Professor Akram Aldroubi is the Stevenson Professor of Mathematics at Vanderbilt University. His mathematical career spans several decades, during which he has published over 150 publications and several books. His educational background is marked by a Ph.D. in Mathematics from Carnegie-Mellon University, where his thesis focused on parabolic-elliptic interface problems under the guidance of Richard C. MacCamy in 1987.

Additionally, Aldroubi holds a Diploma in Electrical Engineering from the Swiss Federal Institute of Technology (EPFL), with a thesis on the analysis and synthesis of textural images advised by Murat Kunt in 1982. Aldroubi's areas of interest are broad and include harmonic analysis, functional analysis, wavelet transform, sampling theory, frame theory, and the applications of these mathematical concepts in image and signal processing.

Aldroubi's honors include being named a Fellow of the American Mathematical Society in 2014, receiving the Fulbright award in 2009, and earning the Best Paper Award from the IEEE Signal Processing Society in 1996. His work has been recognized with the Special Achievement Award from the National Center for Research Resources in 1996 and the Prix Rene Cousin Prize in mathematics in1981.

In addition to his research and teaching, Professor Aldroubi has contributed to the mathematical community through short courses worldwide, covering topics from frame theory and compressed sampling to applications of wavelets in medicine and biology.

Professor Akram Aldroubi's career is characterized by a deep commitment to both the theoretical and applied aspects of mathematics, making substantial contributions to the fields of signal processing and image analysis through both his academic work and his extensive publication record.