1023-L1-1455 **John J Benedetto***, Norbert Wiener Center, Department of Mathematics, University of Maryland, College Park, MD 20742, and **Ioannis Konstantinidis** (`ixk@math.umd.edu`), Norbert Wiener Center, Department of Mathematics, University of Maryland, College Park, MD 20742. *Norbert Wiener Center - mission and methods.*

The Norbert Wiener Center is a central component of the Department of Mathematics at the University of Maryland in College Park.The Norbert Wiener Center has three goals: Research Activities in harmonic analysis and applications; Education in the Mathematics of Advanced Industrial Technology (MAIT); Interaction within the International Harmonic Analysis Community.

Mathematical Engineering in the 21st century is analogous to Mathematical Physics of the 20th century. Applied harmonic analysis and its theoretical underpinnings form the technological basis for Mathematical Engineering. The Norbert Wiener Center advances research, education, and interaction for this emerging field by methods described in the talk. (Received September 26, 2006)