

# Wavelet Methods for Data Analysis

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**Wavelet Methods for Data Analysis** is a course geared for **scientists** and **engineers** who are interested in the practical application of wavelets. The course covers the basic ideas behind wavelets and wavelet analysis, focusing on the physical interpretation of wavelets and the use of statistics to help interpret the results of wavelet analysis. We will explore examples involving data from **atmospheric science, oceanography, meteorology, and physiology.**



**Don Percival** is a Principal Mathematician at the Applied Physics Laboratory and an Affiliate Associate Professor in the University of Washington Department of Statistics. He is the co-author of the textbook *Wavelet Methods for Time Series Analysis* (2000), published by Cambridge University Press.