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Underwater Acoustic Digital Signal Processing and Communication Systems

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Underwater Acoustic Digital Signal Processing and Communication Systems describes new design and development methodologies in underwater acoustic signal processing. The emphasis is on experimental efforts and modern DSP implementations. The book assembles a number of contributions from authors who have contributed significantly to the field. The topics cover a broad range of underwater acoustic signal processing applications: underwater wireless communications, array processing for mapping, detection and localization of objects, biotelemetry, speech processing for divers, acoustic imaging, and use of neural networks for underwater signal processing.

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