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Professor Arthur B. Baggeroer is a principal investigator in the Research Laboratory of Electronics (RLE) at the Massachusetts Institute of Technology (MIT). He holds appointments as Ford Professor of Engineering in the Department of Mechanical Engineering, and Professor of Electrical and Ocean Engineering in the Department of Electrical Engineering and Computer Science. He received the degrees of B.S.E.E. from Purdue University in 1963 and Sc.D. from MIT in 1968.

While on sabbatical leaves, he has been a consultant to the Chief of Naval Research at the NAT SACLANT Center (1977) and has been a Cecil and Ida Green Scholar at the Scripps Institution of Oceanography (1990). He is a Fellow of the IEEE and the Acoustical Society of America. He received the IEEE Oceanic Engineering Society Distinguished Technical Achievement Award in 1991, was an elected member of the Executive council of the Acoustical Society from 1994– 1997, and was awarded the Rayleigh-Helmholtz Medal from the Acoustical Society in 2003. He was elected to the National Academy of Engineering in 1995 and was awarded a Secretary of the Navy/Chief of Naval Operations Chair in Oceanographic Science in 1998. His research has concerned sonar array processing, acoustic telemetry and, most recently, global acoustics and matched field array processing. He has also had a long affiliation with the Woods Hole Oceanographic Institution and was director of the MIT-Woods Hole Joint Program from 1983– 1988.

Keywords

sonar array processing, acoustic telemetry, global acoustics, matched field array processing, radar, seismic signal processing

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