

Neal B. Dowling, Jr.
Senior Engineer
Dowling@MTechnology.net

Expertise

Medical device design, development, and manufacturing. Microprocessor-based hardware and software development. Computerized data acquisition and control systems. Analog and digital design. Modeling and simulation. Sensors and instrumentation. Power supplies.

Education

S.B. Electrical Engineering and Computer Science, MIT
S.M. Electrical Engineering and Computer Science, MIT

Experience

Senior Engineer, Mtechnology, Saxonville, MA
Senior Engineering Manager, CardioDyne, Worcester, MA
Senior Staff Engineer, Nellcor Puritan Bennett, Wilmington, MA
Product Manager, Puritan-Bennett, Wilmington, MA
Senior Staff Engineer, Puritan-Bennett, Wilmington, MA
Senior Staff Engineer, Puritan-Bennett, Carlsbad, CA
Manager of Monitor Development, Puritan-Bennett, Carlsbad, CA
Engineering Manager, Puritan-Bennett, Wilmington, MA

Professional Affiliations

Member, Institute of Electrical and Electronic Engineers

Patents and Publications

Patent 5,357,953, Measurement Device and Method of Calibration, co-inventor

Co-author of 3 papers on using data acquisition in medical applications. Complete bibliography available upon request.