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Raymond M. Roop received his B.S. degree in physics from The Ohio State University, and his M.S. and Ph.D. degrees in physics from The University of Illinois at Urbana-Champaign. He then joined Motorola's Semiconductor Research and Development Lab. Early work included power transistors, linear IC development and BIMOS. He has 24 years experience in MEMS and led the R&D team that developed Motorola's first accelerometer. He has 11 issued patents and over 15 publications and is presently a Senior Member of the Technical Staff in Freescale Semiconductor's Sensor and Actuator Solutions Division in Tempe, Arizona.