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Fred J. Looft III

Professor and Department Head

Faculty Listing

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Related Information

- [Personal Homepage](#)

Educational Background

- B.S., University of Michigan, 1973
- M.S., University of Michigan, 1976
- Ph.D., University of Michigan, 1979

Research & Teaching Interests

Instrumentation; digital and Analog systems; signal processing; biomedical engineering; microprocessor systems and architectures; space-flight systems

IQP Advising Interests

Environmental impact statements; conservation of open space planning; transportation planning; resource management; effect of technology on social systems; hazard assessment; environmental risks; bureaucratic decision making (policy)

Recent Publications

- F.J. Looft, "Response of Monkey Glabrous Skin Mechanoreceptors to Random-Noise Sequences. III. Spectral Analysis," Somatosensory and Motor Research, 13:235-244, 1996.
- F.J. Looft, "Response of Monkey Glabrous Skin Mechanoreceptors to Random-Noise Sequences. II. Dynamic Stimulus State Analysis.", Somatosensory and Motor Research 13:11-28, 1996.
- F.J. Looft, "Response of Monkey Glabrous Skin Mechanoreceptors to Random-Noise Sequences. I. Temporal Response Characteristics, "Somatosensory and Motor Research, 11:327-344, 1994.

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Honors & Awards

- 1985: Joseph S. Satin Distinguished Fellow in EE.

Years of Service at WPI

- 1980 - 1985: Assistant Professor, Electrical Engineering.
- 1985 - 1989: Associate Professor, Electrical Engineering.
- 1989 - present: Professor of Electrical Engineering.
- 2003 - present: Professor and Head, ECE Department

Professional Societies/Memberships

- IEEE (Senior Member, 1990)

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