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Biography

Dr. Lessard received his doctorate in Electrical Engineering from Marquette University in 1972, his masters degree in Electrical Engineering from the Air Force Institute of Technology in 1967 and his bachelor's also in Electrical Engineering from Texas A&M University in 1958. He joined the Texas A&M Engineering faculty in 1981 as an Assistant Professor. Dr. Lessard has served as an Adjunct Professor with the Air Force Institute of Technology, Electrical Engineering, Assistant Professor, Night Division, San Antonio College, Assistant Professor, Night Division, St. Phillips College and Adjunct Professor, Physical Therapy, Texas Women's University. Dr. Lessard specializes in physiological signal processing, design of virtual medical instrumentation, control systems, noninvasive physiological measurements, vital signs, nystagmus, sleep & performance decrement, spatial disorientation, acceleration (G)-induced loss of consciousness (G-LOC) and neural network analysis.

Keywords

- [Physiological signal analysis and processing](#)
- [Safety](#)
- [Molecular Biomechanics](#)
- [Nanomaterials and Biophotonics](#)
- [Optical and Molecular Imaging](#)
- [Optical Biosensing](#)
- [Orthopedic Biosensing](#)
- [Orthopedic Biomechanics and Biomaterials](#)
- [Tissue Microscopy](#)



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 B.S., Electrical Engineering, Texas A&M College, College Station, TX, 1958



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