

## **DR. IRVING U. OJALVO**

Structures, Biomechanics and Safety Expert, Retired Senior Scientist, Columbia University

**EDUCATION:** C.C.N.Y. (B.M.E., 1956).M.I.T. (M.S.,1957). N.Y.U. (Sc.D.,1962).

### **LICENSED PROFESSIONAL ENGINEER, NEW YORK AND CONNECTICUT.**

**EXPERIENCE:** Structural Engineering Specialist, Republic Aviation (1961-1966).  
Engineering Consultant, Harry Belock Associates (1966-1968).  
Manager & Project Engineer at Grumman & Perkin-Elmer Corp (1968-1983).  
Private Consultant to numerous industries & law firms (1966-present).

**QUALIFICATIONS:** Bullard Professor of Mechanical Engineering, University of Bridgeport (1983-1990). Author of over 90 technical papers for leading national and international engineering journals.  
Society of Automotive Engineers (SAE) Speakers Bureau on Products Liability and Accident Reconstruction.  
Member of Human Factors & Ergonomics Society and Safety Committee.  
Design of Warnings used in automated industrial equipment.  
Associate Editor of the American Institute of Aeronautics & Astronautics Journal.  
Member of ANSI (American National Standards Institute) Ladder Safety Committee.

**AWARDS:** M.I.T. Assistantship (1956-1957). U.S. Fulbright Scholar in the Netherlands (1960-1961).  
NASA Certificate of Recognition (1973).  
Elected a Life Fellow of the American Society of Engineering (1986).  
Listed in Who's Who and American Men and Women of Science.

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## **DR. LAWRENCE V. HMURCIK**

### **Professor of Electrical Engineering, University of Bridgeport**

**EDUCATION:** Fairfield University (B.S., 1974). Clarkson University (M.S.,1976). Clarkson University (Ph.D., 1980).

### **LICENSED PROFESSIONAL ENGINEER, CONNECTICUT.**

**EXPERIENCE:** Research Physicist, Diamond Shamrock Corporatio (1980-1983).  
Associate Professor, University of Bridgeport (1983-Present).  
Over 140 Consulting Assignments in New York and Connecticut (1986-Present).

**QUALIFICATIONS:** Tenured Associate Professor of Electrical Engineering, University of Bridgeport (1983-Present).

Author of over 40 technical papers for leading national and international engineering journals.  
Member, Institute of Electrical and Electronics Engineers (IEEE).  
Member, American Physical Society (APS).  
Reviewer for the Journal of Applied Physics and IEEE Transactions .

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## **DR. HERBERT YANOWITZ**

Biomechanics and Thermal Expert

**EDUCATION:** Polytechnic Institute of Brooklyn ( B. of Ch.E. 1951, M. of Ch.E. 1958).  
New York University (Ph.D., 1965).

**EXPERIENCE:** Engineer, Foster Wheeler Corp., New York, NY (1955-1958). Vice-President, Hi-Tech Instrument Corp., Bala -Cynwyd, PA (1958-1960).  
Assistant Professor, Mechanical Engineering Dept., City University of NY (1965-1967).  
Manager, Perkin-Elmer Corp., Danbury, CT (1967-1986).  
Experienced in solving difficult thermal design and analysis problems which have resulted in multi-million dollar product lines involving telescopes and other optical-mechanical systems.

**QUALIFICATIONS:** Expertise in scientific computer modeling, including the use of a vehicle occupant response simulation program ("Articulated Total Body", i.e. "ATB" program), designed and used by the U.S. Airforce and the Department of Transportation. ATB Meeting Chair person, 4<sup>th</sup> Annual ATB User's Group Meeting.

Thermal and fluids consultant for various enterprises.

**AWARDS:** Listed in Who's Who in American Men and Women of Science. Several NASA awards.  
Yankee Ingenuity Initiative Grants, 1986-1988 and 1994-1996.  
State of Connecticut High Technology Grant, 1989-1991.  
National Science Foundation Grant, 1995.

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## **FRANK R. PAINTER**

Biomedical Engineering, Biomechanics, Medical Devices, and Safety Expert

**QUALIFICATIONS:** Taught Biomedical Engineering for over 10 years.  
Certified in Clinical Engineering by the International Certification Commission.  
Managed clinical engineering services, including incident investigation, medical device acquisition and accident reduction programs at Bridgeport Hospital for-Profit Affiliate (1983-1999).  
American College of Clinical Engineering, Founding Member & President (1996-98). American Society of Hospital Engineers (1978-present).  
American Society of Mechanical Engineers (1972-present).  
Editorial Review Board member for Journal of Clinical Engineering (since 1991).  
Over 50 publications and lectures.  
Forensic Engineering consultant in matters of medical devices, products and joint implants.

**EDUCATION:** B.S. .... Clarkson University ..... 1971  
M.S. .... SUNY, Buffalo .....1975

**EXPERIENCE:** 1975-1980. .... Director of Biomedical Engineering, Buffalo, NY  
1980-1982 ..... Emergency Care Research Inst. Regional Manager, Plymouth Meeting, PA  
1982-1992..... Director of Biomedical Engineering Bridgeport Hospital, Bridgeport, CT  
1992-1999 .....Executive Director, Biomechanical Engineering Consulting Company, Bridgeport, CT  
1999-Present .....Private Consultant to industries & law firms

**AWARDS:** World Congress on Medical Physics & Biomedical Engineering Track Chairman (2000)  
Pan American Health Organization Project Advisor (1994)  
Biomedical Instrumentation Assoc. Of Western NY, President (1978-80)

New England Soc of Clinical Engrg., Secy (1984-88), Treasurer (1996-98)  
Journal of Clinical Engineering Ed. Review Board (1991-present).

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**DR. OREN MASORY**

**Prof. of Mechanical Engr. and Director of Robotics Center at Florida Atlantic University**

**EDUCATION:** B.S., M.Sc, Ph.D..Technion, Israel Institute of Technology .. 1974, 1977, 1980

**EXPERIENCE:** 1980-1983: Research Engineer, Gould Inc. (IL)

1983-1988: Assistant Professor, Texas A & M University

1989-Present: Professor of Engineering, Florida Atlantic University

**QUALIFICATIONS:**

Author of over 70 engineering journal and conference articles

Consultant to Pratt & Whitney Corporation -- development of a vision based inspection of holes drilled by abrasive water jets

Consultant regarding robotic manipulators for Sensormatic

Consultant to Motorola -- Failure analysis of pagers using drop tests

Principal Investigator for numerous sponsored research projects since 1985

**AWARDS:** Exxon Faculty Award, Texas A & M University, 1984-1986

Gutwirth Scholarship, Technion - Israel Institute of Technology, 1980