

PROFESSIONAL EXPERIENCE - HIGHLIGHTS

- Over 35 years' Experience as a Practicing Professional Engineering Physicist/Scientist
- **Awarded: Fourteen, (14), U.S. Patents,** (currently, several additional Patents Pending), in Applied High Power RF & Microwave Physics for Energy, Industrial, Research & Defense Applications
- 1988-1989; Technology Consultant from the U.S. to Government Authorities in Brazil, France, Germany & Venezuela for Guidance in Rule-Making for Radio Broadcast Systems for their Countries
- Engineering & Technology Consultant to many Companies, Including Pratt & Whitney, Hewlett-Packard, Aritech Corp and ADT
- 1992-1994; Principal Staff Consulting Engineer for M.I.T.'s 3.0 Megawatt RF L-H Heating System at the M.I.T. Plasma Fusion Research Center, Cambridge, Mass.
- Principal Consulting Engineer for the Design and Provision of 2.5 Megawatt RF Heating Networks for the Government of India's Institute for Plasma Research, Ahmedabad, India
- 1993-1995; Principal Staff Consulting Engineer for General Atomics' 3.0 Megawatt RF L-H Heating System for G.A.'s D3-D Hydrogen Fusion Energy Research Facility in San Diego, CA
- 1992-1996; Principal Staff Consulting Engineer for High Power RF & Microwave Research for RF Drive Networks for Fermilab, Argonne National Laboratory and Los Alamos National Laboratory
- 1993; Technology Consultant to the U.S. Air Force with M.I.T. for the A.W.A.C.S. Military Platform
- 1994-1997: Principal RFT Engineer; HPRF & HPM Networks: White Sands Missile Range: **E.M.R.E.**
- 2004-2008; High Power Industrial Microwave Technology Consultant and V.P. of R&D and Engineering for High Power Microwave Systems, the Ferrite Company, Inc., Nashua, NH
- 1988-Present; Author & Lecturer Globally, Applied Engineering and Physics in Industry
- Seven Technical Papers, Published and Several Published and Presented
- 2005 to Present; University of Maine; Department of Physics, Accreditation Board Member
- 2006 to Present; University of Maine; College of Engineering, Dean's Academic Advisory Council
- 2007; *Distinguished Engineer* Inductee into The *Francis Crowe* Engineering Society
- 2009; University of Maine Microwave Acoustics Laboratory Research Associate
- 1991-2004; Founder & C.E.O., RF Technologies Corporation, a High-Technology Engineering and Manufacturing Company, (Company Acquired in 2004)
- 2008-Present; Principal, Micronetixx Technologies, LLC, High-Power Industrial Microwave Equipment and Engineering Organization: (Website URL: www.micronetixxmicrowave.com)
- Chief Engineer, (and Patent Awardee), for **Microwave-Enhanced Engineered Lumber Manufacture**

EDUCATION

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|---|---------------------|
| University of Maine – Orono, ME | 1974-1979 |
| B.S. Engineering Physics, (Double Minor; Electrical Engineering & Mathematics) | |
| ▪ Licensed Professional Engineer: | 1984-Present |
| ▪ Inducted; Distinguished Engineer: <i>Francis Crowe Engineering Society</i> | 2007 |
| ▪ University of Maine; Department of Physics, Engineering Physics Review Board: | 2004-2008 |
| ▪ University of Maine; College of Engineering, Dean's Academic Advisory Council: | 2005-Present |

SPECIAL

- **Microwave Acoustics Engineering Research Associate,** Thin Film Antennas; Laboratory for Surface Science & Technology, University of Maine – Orono, ME
- **Full Member;** A.F.C.C.E., (Association of Federal Communications Consulting Engineers)
- **Member;** IEEE, (Antennas and Propagation Society)
- **Member:** I.M.P.I., (International Microwave Power Institute)
- **Member;** S.B.E., (Society of Broadcast Engineers)
- **Blue Chip Enterprise Award,** (as C.E.O.; RF Technologies Corporation) **1998**