

PROFESSIONAL EXPERIENCE / HIGHLIGHTS

- Over 35 years' Experience as a Practicing Professional Engineering Physicist/Scientist
- Awarded: **Fourteen, (14), U.S. Patents**, (several additional Patents now Pending), in Applied High Power RF & Microwave Physics for Industry, Research & Defense
- 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
- 1985-1991: Consulting Antenna Engineer to Shively Labs, (Broadcast Antennas), as well as other Companies for RF Systems, 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, MA, USA
- 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, USA
- 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
- 2004-2008; Technology Consultant and V.P. of R&D and Engineering, the Ferrite Company, Inc., Nashua, NH, USA
- 1988-Present; Author & Lecturer Globally, Applied High Power RF & Microwave Engineering Physics
- Seven Technical Papers, Published and Presented on Applied High Power Microwave Physics
- 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)
- 2004-Present; Principal, Micronetixx, P.A., Professional Technology Consultants, (Website URL: <http://www.micronetixxantennas.com>).

EDUCATION

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| University of Maine – Orono, ME; (Engineering Physics): | 1974-1979 |
| (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; S.B.E., (Society of Broadcast Engineers)**
- **Member: I.M.P.I., (International Microwave Power Institute)**
- **Blue Chip Enterprise Award**, (as C.E.O.; RF Technologies Corporation): **1998**