

## PROFESSIONAL EXPERIENCE - HIGHLIGHTS

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- Over 35 years' Experience as a Practicing Professional Engineering Physicist/Scientist
  - Awarded Ten U.S. Patents, (7 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
  - 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, 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; Microwave Consultant to the U.S. Air Force with M.I.T. for the A.W.A.C.S. Military Platform
  - 2004-2008; Staff Microwave 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-Power Microwave Equipment, Engineering and Manufacturing Company; (Company was Acquired in 2004)
  - 2004-Present; Principal, Micronetixx, P.A., Professional Technology Consultants, (Website URL: [www.micronetixx.com](http://www.micronetixx.com) )
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## EDUCATION

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

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## 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**