

# George M. Harris, P.E., (Consulting Engineer)

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## PROFESSIONAL EXPERIENCE - HIGHLIGHTS

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- 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 Energy, Industrial, Research & Defense Applications
- 1991-1994; Consulting Engineer to the U.S. Air Force and its Defense Contractors for the **A.W.A.C.S.** High Power Microwave Source Up-Grade Program
- 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
- 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, in Applied RF & Microwave Physics & Engineering
- Seven Technical Papers, Published and Several Published as well as Presented at Conferences
- 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 RF & Microwave Equipment Engineering and Manufacturing Company, (Company Acquired in 2004)
- 2008-Present; Principal, Micronetixx Technologies, LLC, High-Power RF & Microwave Equipment Engineering & Manufacturing Organization: (Website URL: <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)
- **Licensed Professional Engineer:** **1984-Present**
- **Inducted; Distinguished Engineer:** *Francis Crowe Engineering Society:* **2007**
- **University of Maine;** Department of Physics, Engineering Physics Review Board: **2004-2008**
- **Microwave Acoustics Research Associate:** LASST, University of Maine: **2008-2009**
- **University of Maine;** College of Engineering, Dean's Academic Advisory Council: **2005-Present**

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## SPECIAL

- **Member: Association of Old Crows**
- **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**