

Cyclotron Institute Summer REU 2009
CAREER DAY
CONFERENCE ROOM #221
July 10, 2009

- 9:30** **MEET & GREET**
 Light Breakfast
- 10:00** **Dr. Robert W. Hamm***
 CEO/President
 R&M Technical Enterprises, Inc
- 10:30** **Dr. Marianne Hamm***
 COO
 R&M Technical Enterprises, Inc
- 11:15** **Break**
- 11:30** **GROUP LUNCHEON**
 Lasagna & Veggie Lasagna
 Tuscan Vegetables
 Salad & Garlic Bread
- 1:00** **Dr. Kattawar**
 Physics Department
 Texas A&M University
- 1:30** **Dr. Henry Clark**
 Accelerator Physicist
 Cyclotron Institute
- 2:00** **Closed Session Graduate Student Panel**
 (for REU's only)
 ***Carson Fuls, Kristen Williams, John Saathoff, Jon**
 Button, Larry May, Abram Krislock
- 2:45** **Wrap Up w/ Dr. Sherry Yennello**

**Please see attached CV & photo*

Robert W. & Marianne E. Hamm

For the past 40 years, Robert has been active in the development of particle accelerators for physics research and commercial applications, including electrostatic accelerators, linear accelerators (linacs) and cyclotrons. He and his wife recently started R&M Technical Enterprises, Inc., doing consulting work in the accelerator field based on these many years of experience. For 22 years, he was the President and CEO of AccSys Technology, Inc., a successful company devoted to the development and manufacturing of ion linear accelerators for medical, research and industrial applications. The company was bought by Hitachi Ltd. in 2007. Prior to co-founding AccSys in 1985, he was Manager of Research in the Radiation Division of Varian Associates, with primary responsibility for the development of new medical and industrial electron linacs. Robert was Vice President of R&D at The Cyclotron Corporation from 1981 to 1983, with responsibility for product development of commercial compact cyclotrons, and was acting head of the manufacturing group in 1983. Prior to that, he was a research staff physicist from 1977 to 1981 at the Los Alamos National Laboratory (LANL) in the Accelerator Technology Division where he participated in the National Cancer Institute program to develop a linac for cancer therapy and was a key member of the Radio Frequency Quadrupole (RFQ) proof-of-principle demonstration effort. Robert has over 80 publications in the scientific and engineering literature and has given numerous talks and colloquia worldwide. He has a BS in physics from the University of Southwestern Louisiana, an MS in physics from Florida State University and a PhD in accelerator physics from Texas A&M University. He has served on the Committee for Application in Physics within the American Physical Society and has worked as a visiting scientist in Dubna (JINR), Geneva (CERN) and Canada (Chalk River), and has worked in Saudi Arabia on a mission for the International Atomic Energy Agency.

Marianne attended Annapolis High School and was in the Navy's cooperative work-college program while attending Virginia Polytechnic Institute, where she majored in physics and graduated with honors in 1968. She received a fellowship at Florida State University to pursue graduate studies in experimental nuclear physics. While at Florida State she met her future husband, Robert, also a physics graduate student. After getting Masters Degrees from Florida State, they went on to pursue their PhDs together at Texas A&M University where they broke new ground as the first married couple in the physics graduate studies program. In addition to sharing the graduate school experience, they shared the responsibility of raising an infant son. Marianne also served as President of Graduate Student Council and as a graduate student advisor to the Vice President of Student Affairs and Dean of the Graduate School. After receiving her Ph.D. in 1976 from Texas A&M (with honors and a Distinguished Graduate Student award), Marianne became a post-doctoral fellow at the Los Alamos National Laboratory doing medium energy nuclear physics research. She went on to serve as a staff physicist involved in plasma physics research and applied nuclear technology.

She left Los Alamos in 1981 with Robert when he accepted a position as Vice-President of R&D at The Cyclotron Corporation in Berkeley, California. Marianne started a consulting firm specializing in computer control and data acquisition software for scientific research and medical applications. Then in 1985 she co-founded AccSys Technology with Robert and two colleagues from Los Alamos. As Executive VP and COO of AccSys Marianne was head of all business operations and was also a member of the Board of Directors. In addition to her corporate duties as COO of AccSys, Marianne worked in a number of organizations to assist small business development:

- Founding board member in 1991, 1995 President, and 1996 Chairwoman of Academy of Technology Entrepreneurs and Innovators
- Testified in Congressional hearings for 1993 SBIR program renewal legislation.
- Elected delegate to 1995 White House Conference on Small Business; Region IX Technology Issue Implementation Chair
- Served on American Electronics Association Board of Directors from 1997 to 2000.

Over the past two decades, Marianne has given numerous invited talks at professional meetings, secondary schools, and universities on a variety of topics, including promoting the role of women in science and engineering and alternative careers in business for scientists. She has also been invited by several groups to recount her company's experiences with various Federal technology transfer, technology partnership and defense reinvestment initiatives.



Enjoying the food and scenery in Greek islands – June 2009.