

**PHYSICS & ASTRONOMY COLLOQUIUM
UNIVERSITY OF WISCONSIN – STEVENS POINT**

**FRIDAY, MARCH 2, 2012
2:00 PM Room A106 SCI**

Gerry Ring

Department of Paper Science and Engineering, UW-Stevens Point

WIST, Building a Regional Collaborative Institute at UWSP



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ABSTRACT: The Wisconsin Institute of Sustainable Technology (WIST) was established in 2010 at UWSP when it received both state and federal funding. The vision of WIST is to be a nationally recognized, self-supporting institute leading collaborative research, education, and services that introduce and facilitate development and adoption of sustainable technologies and practices which contribute to an improved quality of life for present and future generations. WIST's mission is to develop innovative curricula, technologies, and products that promote efficient resource use and benefit Wisconsin's citizens, businesses and industries. Today's seminar will focus on the accomplishments of WIST and the benefits that WIST has brought to the participating programs and faculty.

ABOUT THE SPEAKER: Gerry Ring is Chair of the Department of Paper Science and Engineering. In 1980 Ring began his paper industry career as a Research Scientist for Kimberly-Clark Corporation after obtaining his Ph.D. at the Institute of Paper Chemistry in Appleton Wisconsin. In 1986, Ring joined the faculty of UWSP. Ring has written 14 publications, including editing the Colloid Chemistry of Papermaking Materials textbook. He holds three patents and was recognized in the 1994, 2000 and 2004 editions of Who's Who Among America's Teachers. Ring received an Award for Excellence from the University Continuing Education Association, Region IV in 1999. Dr. Ring is a TAPPI Fellow, an honorary title bestowed upon less than one percent of TAPPI's membership, and is given to individuals who have made extraordinary technical or service contributions to the paper industry and/or the Association.

Dr. Ring's research is in the area of paper physics emphasizing hydrogen bonding. His most recent publication, entitled "The Hyperbolic Theory of Light Scattering, Tensile and Density in Paper", was the featured article in the November 2011 issue of TAPPI Journal. In 2007, Dr. Ring received a WiSys Technical Innovation Scholar Award for his development of a Paper Pulp Preprocessor that was based on his fiber length analysis research.

As WIST's Director of Education, Gerry Ring has worked to develop a multidisciplinary biofuels minor at UWSP. The Education Division also offers outreach courses, such as hands-on papermaking.

*Faculty, staff and students are cordially invited to attend.
Refreshments will be served beginning at 1:45 pm*