

WIE Session at 2008 IEEE NSS/MIC/RTSD



OUR SPEAKERS - Outstanding Examples of Successful Women in our Science Community



Nina Byers

Nina Byers is a Research Professor and Professor of Physics Emeritus at UCLA, US. She is among 83 women eminent physicists for whom data is archived in website on "Contributions of 20th Century Women to Physics". She has published many papers reporting research results in theoretical physics in the fields of elementary particle physics and superconductivity. More recently she has published papers on the history of physics. She is also the co-editor (with G. Williams) of "Out of the Shadows" (CUP, 2006). She has held numerous posts in various scientific societies.



Joanna Izweska

Joanna Izweska (PhD in Physics) is a Head of the Dosimetry Laboratory Unit of the International Atomic Energy Agency in Vienna, Austria. Her main responsibility are scientific supervision and management of the IAEA/WHO TLD postal dose audit service for radiotherapy hospitals and Secondary Standards Dosimetry Laboratories, and supervision of the Directory of Radiotherapy Centres (DIRAC) maintained by the IAEA. She has done research in dosimetry, radiation physics, accelerator physics related to linacs' applications in radiotherapy, industrial radiography and food processing. Her recent scientific activities have mainly been focused on clinical dosimetry, including quality assurance in radiotherapy and thermoluminescence dosimetry of high-energy photon and electron beams.



Hannelies Kluge

Hannelies Kluge is an elementary particle physicist, staff member at DESY Zeuthen, Germany. She received PhD in Physics from the Humboldt University in Berlin. She was a staff member of IfH Zeuthen, spent six years at JINR Dubna and two years at CERN. Since 1992 she is a staff member at DESY Zeuthen. Now she is working on the Monte Carlo applications for the ILC and CMS Experiment at CERN (also a member of the L3 collaboration at CERN). She is a founding member of the AKC (Working Group for Equal Opportunities of the German Physical Society) and now is a Spokesperson of the AKC. She has been a founding Member of the AKFIFZ (Working Group Women in the Scientific Centers) of the HGF.



Jane M. Lehr

Jane M. Lehr (PhD in Electro-Physics) is a Principal Member of the Technical Staff at Sandia National Laboratories. After working in industry on pulsed power and high power switches, she joined the Air Force Research Laboratory where she has enhanced the performance of critical components in pulsed power. She initiated the research at AFRL in compact pulsed power for airborne platforms. Currently, she is leading the system assessment test program for the upgrade to the Z machine, called Z-R. In addition her current research interests include the development of the spark channel in liquids and gases. She received the 2001 Air Force Basic Research Award for her work in compact pulsed power and ultra-fast switching. She has held numerous posts in IEEE including the President of NPSS.



Francesca Nessi-Tedaldi

Francesca Nessi-Tedaldi is an experimental elementary particle physicist at ETH Zürich, Switzerland. After her physics studies resulting in a PhD at ETH, she was a research associate at Rice University, Houston (USA) from 1986 to 1989, working on experiments at the Brookhaven and Fermi National Laboratories. Then, she came to CERN as a fellow, working on the large UA2 experiment and on research and development for experiments at the Large Hadron Collider (LHC). In 1992 she joined ETH Zürich as a research scientist, and has been working since then on the development, prototype tests and construction of the CMS experiment at the LHC. In recent years, she has mainly worked on scintillating crystals for high-energy calorimeter detectors. As an university scientist, she also organizes laboratory courses for physics majors.



Sara A. Pozzi

Sara A. Pozzi (PhD in Nuclear Engineering) is an Associate Professor of Nuclear Engineering and Radiological Sciences at University of Michigan, Ann Arbor, US, where she has established and is leading the Detection for Nuclear Nonproliferation Group (DNNG). Her research interests include the development of new methods for nuclear materials identification and characterization for nuclear nonproliferation, nuclear material control and accountability, and national security programs. She is interested in the development of Monte Carlo simulation codes to simulate these systems. She has held numerous posts in professional societies, including chair and member of many Committees of IEEE NPSS. She has received many scientific and technical awards for her research accomplishments.