Lanzerotti to chair AIP's Governing Board

Louis J. Lanzerotti, a New Jersey Institute of Technology (NJIT) geophysicist, is the new chair of AIP's Governing Board. He will replace Millie Dresselhaus, who is stepping down as chair at the end of March 2008. I feel fortunate to have overlapped with Millie's final year as chair, given her wide experience as a scientist, teacher and leader of prestigious scientific organizations. I appreciate her support, experience and wise advice.

Likewise, I am looking forward to working with Lou, whom I first met about 25 years ago, when I heard him lecture to a group of New Jersey high school students about spacecraft observations. Over the subsequent years, we served together on the AIP Governing Board and other advisory committees, and I have always admired his impressively diverse experience and accomplishments in research, education and outreach, and science policy.

Lou was born in Carlinville, Illinois, earned an undergraduate degree in engineering from the University of Illinois and pursued graduate studies in physics at Harvard University. He earned his PhD in 1965 and spent two years as a postdoctoral fellow at Harvard and Bell Laboratories before joining the technical staff of the latter. He is currently a Distinguished Professor of Physics in NJIT's Center for Solar-Terrestrial Research and serves as a consultant to Alcatel-Lucent.

Lanzerotti's research has primarily focused on space plasmas, geophysics, and engineering problems in atmospheric and space processes as well as geomagnetism and solid earth geophysics as it applies to the design and operation of spacecraft and cable communication systems. He has spent several decades studying the Earth's upper atmosphere in the Antarctic and space environments, along with a series of pivotal laboratory experiments in the 1970s to explore sputtering processes in insulating materials, such as ices. There is a small planet named after him (Minor Planet 5504 Lanzerotti), as well as Mount Lanzerotti, the latter in recognition of his research in the Antarctic. In addition, he helped develop instruments for many NASA spaceflight missions in the Earth's magnetosphere, the interplanetary medium, and the outer planets, including instruments for Voyager I and II, Cassini, and developing both the orbiter and atmosphere entry probe for the Galileo mission. He is currently principal investigator to develop instruments for the twin NASA Radiation Belts Storm Probes mission, slated for launch in March 2012.

Lanzerotti has performed extensive volunteer service with a wide range of government and nonprofit institutions dedicated to the service of science, including AIP, the American Physical Society (APS), and the American Geophysical Union (AGU). A founding editor of Space Weather: The International Journal of Research and Applications, he has also chaired the advisory board for Physics Today.

He is currently serving a six-year term on the National Science Board, the oversight body for the National Science Foundation (NSF), the latest in a series of appointments on NSF and NASA committees and advisory bodies over the last 30 years. He is also active locally. In the 1980s, Lanzerotti ran for the local school board in Harding Township, New Jersey, winning election to three consecutive three-year terms. He is currently serving as the township's mayor through 2007.

We are all fortunate to have Louis J. Lanzerotti as chair of our Governing Board. Please join me in congratulating him on this prestigious appointment.

Sincerely yours,

Fred
Connecting with SPIE
In mid-August, staff representing AIP’s Online Services and Publishing Technology groups visited SPIE publishing staff in beautiful Bellingham, Washington. The meeting’s goal was to discuss future plans for Scitation and to hear from SPIE’s team about their vision of the future for the SPIE Digital Library. After an inspiring session with SPIE’s “2010 team,” it was clear that both Scitation and SPIE have a well-aligned strategy for the next three years. After two days of collaborative brainstorming, the teams joined again at the dinner table to dine on delicious Pacific Northwest salmon, a local delicacy.

Sharp PC skills replace sharp pencils
Cottage copyediting is getting a facelift as we embrace a totally electronic copyediting process that includes an auto-redact component. eXtyles®, a product designed by Inera, Inc., allows copyeditors to work in Microsoft Word documents and automatically export to XML (Extensible Markup Language). The product features an integrated suite of tools that automates some time-consuming, repetitive tasks, including journal style and reference markup. The transition from paper-based to digital will take place over the course of this year.

Physics Resource Center Matters

Journal of Undergraduate Research in Physics (JURP) revived
The Journal of Undergraduate Research in Physics (JURP) is a peer-reviewed, online journal of the Society of Physics Students (SPS). In keeping with the SPS mission to be a professional society, JURP is devoted to archiving research conducted by undergraduate students in physics and related fields, and is a vehicle for the exchange of ideas and information by undergraduate students. Over the last several years, JURP transitioned from a print to an online publication, while SPS searched for a new editor. Earlier this year, Dwight E. Neuenschwander, Professor of Physics at Southern Nazarene University, agreed to serve as acting JURP Editor, and he has shepherded the first new paper through the peer-review process and to on-line publication. To coincide with the revival of JURP, its website has been redesigned. Check out the new research and website at www.jurp.org.

AIP and AAPT collaborate to offer discounted subscription to high schools
The AIP and the American Association of Physics Teachers (AAPT) are partnering in a joint subscription offer to teachers and librarians at 7,500 U.S. high schools. They are offering a one-year, print and online, school-wide subscription to both Physics Today (http://www.physicstoday.org) and The Physics Teacher (http://scitation.aip.org/tpt/) at unprecedented savings. The offer will be sent by mail to arrive September 1, just in time for the start of the new school year.

Around AIP

Know anyone?
AIP values highly its program that offers a monetary reward to any employee who refers someone
from the outside to AIP, to fill an open position. AIP will pay up to $400 for the successful hire and retention of someone that you know! In fact, depending on the level of the position, it is possible to receive a bigger reward, if the new hire is retained for more than a year. There are varying levels of reward, based on the status of the position being filled. More details can be found on the Job Openings website. Just click on Our Employee Referral Program for the specifics. Then, keep checking those job opportunities—you may already know the next AIP employee and you could both benefit!

We invite your feedback to this newsletter via email to aipmatters@aip.org.