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Hershey, May 11, 2011

The Southeastern Pennsylvania Section of the American Chemical Society (SEPSACS) today honored the senior members of the ACS in a formal dinner held at the Founder's Hall of Milton Hershey School in Hershey, PA.

The following honorees were invited:

- Mr. Edgar E. Bumbier (60+) (present)
- Dr. Thomas J. Lynch (50+)
- Dr. Philip A. Pilato (50+)
- Dr. Byron D. Babcock (60+), Willow Street, PA
- Dr. Lewis W. Bowman (60+), Ephrata, PA
- Dr. Carl G. Gustafson, Jr. (60+), Lancaster, PA
- Dr. Richard M. Fantazier (50+), Mountville, PA
- Dr. Conrad L. Stanitski (50+), Lancaster, PA
- Dr. Claude H. Yoder (50+), Lancaster, PA

Of which only Mr. Edgar E. Bumbier (60+), Dr. Thomas J. Lynch (50+), and Dr. Philip A. Pilato (50+) were present in person. A certificate of achievement for other honorees was sent mail to their home address.

The honorees present at the meeting each shared valuable experience from their memory that was deeply appreciated by the audience.

The meeting began with a welcome remark from Dr. Michael Benner, Science Coordinator of the Milton Hershey School. Dr. Benner also gave a brief tour of the Founder's Hall and explained the vision of Milton Hershey in establishing the Milton Hershey School to address the special needs of the neglected children of our society.

A hearty dinner was served that was followed by the award ceremony. Certificates of achievement were awarded to the honorees by Dr. Anis Rahman, chair of the SEPSACS.

After the award ceremony, Dr. Anis Rahman presented a talk on, "Deploying terahertz for real world problem solving." Abstract of the talk is given below:

Abstract

Terahertz science and technology is an emerging area that explores the spectral region which was long known as the "terahertz gap" because of the absence of man-made sources in this region. Recently there have been immense efforts to exploit this spectral region because of its applications in several important areas

such as biotechnology, pharmaceuticals, detection and screening, etc. However, most of the semiconductor based efforts have been performance limited because of the nature of inorganic materials; thus yielding only a narrow terahertz range and low output power, hindering many real applications that were initially targeted. Using an organic nanomaterial called Dendrimer, many of the limitations have been overcome that helps many real world applications. For instance, measurement of concentration gradient across a substrate in a non-invasive (non-destructive) fashion, detection of explosives and vibrational states of Fullerenes and other molecules, single nucleotide polymorphism, etc. Some details will be presented with exemplary data.

A few pictures highlighting the event are included below.









Mr. Edgar Bumbier (New Holland, PA) receiving the ACS certificate of achievement from Anis Rahman (Chair) and Virginia Hunsberger (Secretary)



Dr. Thomas Lynch (Mechanicsburg, PA) receiving the ACS certificate of achievement from Anis Rahman (Chair) and Virginia Hunsberger (Secretary)



Dr. Philip Pilato (Camp Hill, PA) receiving the ACS certificate of achievement from Anis Rahman (Chair) and Virginia Hunsberger (Secretary)





