Awards for Publications and Research and Development

The Laboratory presents annual awards for publications and Independent Research and Development (IR&D) projects to recognize outstanding performance by the APL professional staff. The Editorial Board of the Johns Hopkins APL Technical Digest is responsible for selecting publications for awards and honorable mention on the basis of technical content, significance of scientific and engineering contributions, and literary style. Established in 1985 to encourage professional publication, this competition is open to all technical staff. Departments may submit up to two nominations in each of six categories. Forty-five publications were submitted by eight departments for the 1995 competition; of these, nine publications from five departments were selected for honors.

Since its establishment in 1989, the R. W. Hart Prizes for Excellence in Independent Research and Development have honored those who make signal contributions to science and technology through projects in basic and applied research and exploratory and advanced engineering. The IR&D Advisory Council awards prizes in two categories: one for the best research project and the other for the best development project. For 1995, the R. W. Hart Prize for Excellence in Development was awarded to the members of the Telemedicine Team for their work in developing concepts and assessments for telemedicine systems. Honorable Mention was given to Gary A. Sullins for his work in measuring the time required for the jet interaction flow field to be established for missile terminal maneuvers. No prize for research was awarded.

Unlike the annual awards, the prestigious Lifetime Achievement Award is conferred only when an individual’s achievements and publishing accomplishments span a productive and distinguished career at APL. Louis Monchick was so recognized at the Fall Principal Professional Staff Reception held on 19 November 1996. Dr. Monchick’s research in kinetic theory, gas transport properties, and molecular processes spans a 40-year career and includes nearly 100 publications. One of his most significant papers, “Transport Properties of Polar Gases,” reported the first computer calculation of the transport property of a gas of anisotropic polar molecules. This paper received a Citations Classic award in 1981.

Linda L. Maier-Tyler
LIFETIME ACHIEVEMENT AWARD
Louis Monchick, in recognition of his seminal theoretical research in kinetic theory, gas transport, and molecular dynamics spanning transport properties of polar molecules, thermal diffusion, intermolecular interaction, collision-induced molecular processes, diffusion-controlled reactions, and the development of mathematical formulae.

AWARDS RECOGNIZING PUBLICATIONS BY APL STAFF MEMBERS (1995)

OUTSTANDING FIRST PAPER IN A CLASSIFIED OR UNCLASSIFIED PUBLICATION

Award


OUTSTANDING PAPER IN THE JOHNS HOPKINS APL TECHNICAL DIGEST

Walter G. Berl Award


OUTSTANDING RESEARCH PAPER IN A REFEREED PUBLICATION

Awards


OUTSTANDING DEVELOPMENT PAPER IN A REFEREED PUBLICATION

Award

OUTSTANDING PROFESSIONAL BOOKS

Awards


Honorable Mention


SPECIAL PUBLICATIONS AWARD

Award


Prize Winner—Development

Navy Battlegroup Telemedicine Project
  CAPT L. Edward Antosek, M.D. (USN)
  William M. Antosek (APL)
  LCDR Miguel A. Cubano, M.D. (USN)
  Quentin E. Dolecek (APL)
  Richard A. Henle (APL)
  Mark A. Scoville (APL)
  Robert L. Stewart (APL)
  Mark A. Talamini, M.D. (JHU School of Medicine)
  Stephen P. Yanek (APL)

Honorable Mention

Jet Interactions for Missile Terminal Maneuvers
  Gary A. Sullins