



## **DISTINGUISHED PTTI SERVICE AWARD**

**Presented by**

**Dr. Joseph A. White  
U.S. Naval Research Laboratory**

**to**

**Dr. Judah Levine  
National Institute of Standards and Technology**

The winner of the 2009 PTTI Award is Dr. Judah Levine. Judah is well known here at the PTTI Meeting. If you search our online database for the Proceedings since 1981, you get about 100 hits. Some of those may be multiple hits for the same paper, but overall Judah has been one of our strongest technical contributors. You realize very quickly how involved he's been in time and frequency and how much information he has shared with the rest of us.

Dr. Levine graduated from New York University with a PhD in Physics in 1966. He has been at the Time and Frequency Division of NIST for most of the time since. At NIST, his current work includes the design and operation of the NIST time scale, which realizes UTC (NIST), and the design and operation of the NIST Internet Time Service, which consists of about 24 servers and handles about 3 billion requests per day (about 30,000+ requests per second) for time in various formats. He also designed the current ACTS system, which provides time over dial-up telephone lines. Judah is also well known for his work in GPS carrier-phase time transfer.

You may not know that Judah also has worked in a number of other areas of precision measurements, including designing and operating various instruments to study questions of geophysical interest and earthquake prediction.

In addition to his work at NIST, Judah is an Adjoint Professor in the Physics Department of the University of Colorado and a Fellow of JILA, an Institute operated jointly by the University and NIST.

*41<sup>st</sup> Annual Precise Time and Time Interval (PTTI) Meeting*