

ILA Awards Committee Report for the  
**International Loran Association**  
**2006 Awards Presentations**

**Medal of Merit:**

**Robert Wenzel for 30 years of dedication to the improvement and implementation of Loran-C**

**John M. Beukers Technical Innovation Award:**

**Ben Peterson for the development of the eLoran 9<sup>th</sup> pulse communications modulation method.**

**President's Award:**

**Al Frost & Otis Philbrick for continuing service in the editing and production of the “Loran Lines” ILA news letter.**

**Outstanding Service Awards:**

Robert Lilley, Chairman, ILA Convention and Technical Symposium, 2005

Greg Johnson, Technical Chairman ILA Convention and Technical Symposium, 2005

Charles Schue, Sponsorship Chairman, ILA Convention and Technical Symposium, 2005

**Best Paper Award:**

Mike Lombardi, NIST; Tom Celano, Timing Solutions; and Ed Powers USNO, “The Potential Role of Enhanced Loran-C in the National Time & Frequency Infrastructure”; ILA Convention and Technical Symposium, 2005, Santa Barbara, CA; 17 – 19 October 2005.

**William L. Polhemus**

**Best Student Paper Award:**

Wouter Pelgrum; “Noise – From a Receiver Perspective”; ILA Convention and Technical Symposium, 2005, Santa Barbara, CA; 17 – 19 October 2005

Respectfully submitted,

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William F. Roland, Chair, Awards Committee

13 October 2005

**International Loran Association**  
**Medal of Merit**  
**Robert J. Wenzel**

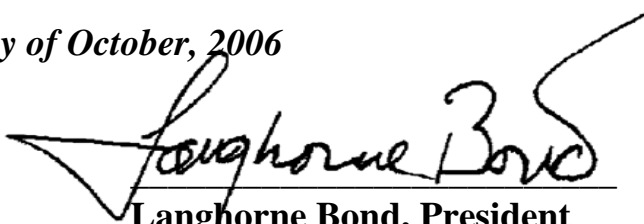
*Robert J. Wenzel is cited for his continuing dedication and contributions to the development, installation, and improved operation of Loran-C service for over 30 years. After receiving a Master's Degree in Electrical Engineering, Bob Wenzel directly contributed to the design and installation of substantial improvements to Loran-C transmitters and timing equipment while assigned at the US Coast Guard Electronics Engineering Center. Next he was responsible for technical oversight of Loran-C operations in the Western Pacific, achieving near perfect performance from aging equipment. He became a strong advocate of cost reduction and performance improvement programs, encouraging development of automation, redundancy and minimum personnel requirements. Since retirement from the US Coast Guard, he has continued to apply his knowledge and technical skills to improvements to Loran-C service, advocating eLoran services such as UTC synchronization, ASF data improvements and ninth pulse communications.*

*For his dedicated interest and thorough knowledge of Loran-C, his use of new technology to increase function and performance, and his contributions to the implementation of integrated navigation,*

*The International Loran Association presents  
Robert J. Wenzel with its most prestigious award,*

***The Medal of Merit***

*Presented this 25<sup>th</sup> day of October, 2006*

  
Langhorne Bond, President

**International Loran Association**  
**John M. Beukers**  
**Award for Technical Innovation**

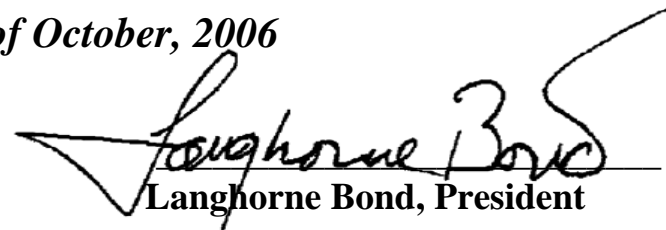
*Dr. Benjamin Peterson is cited for his diligence and dedicated engineering efforts in the development of the 9th pulse method of communication using Loran-C pulses. The needs of a diverse range of user applications, concern for cross rate interference, need to provide accommodation for legacy users and the demand for extremely high continuity of service created considerable technical barriers to a successful design. Despite these conflicting demands, Dr. Peterson has laid the groundwork for an extremely effective communication service on Loran-C signals.*

*In recognition of his innovative analysis and implementation of this dramatic application of the Loran-C service, and the great positive impact on users and providers of the service,*

*The International Loran Association  
Presents the John M. Beukers Award for Technical Innovation to:*

**Dr. Benjamin Peterson**

*Presented this 26<sup>th</sup> day of October, 2006*

  
Langhorne Bond, President

# **International Loran Association**

## **President's Award**

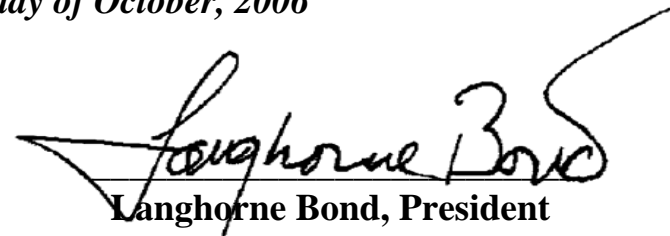
### **Albert Frost**

*Albert Frost has brought creativity and professionalism to his nine years as Co-Editor of Loran Lines, the official publication of the International Loran Association. Under his leadership, Loran Lines has consistently and accurately reported news of technical, management and policy events relating to Loran and to positioning, navigation and timing in general. His efforts have enhanced significantly the International Loran Association's objectives of informing and educating users, providers and governments throughout the world. In recognition of his leadership and outstanding contributions to Loran and the ILA,*

*The International Loran Association presents:*

*The President's Award*

*Presented this 25<sup>th</sup> day of October, 2006*



Langhorne Bond, President

# **International Loran Association**

## **President's Award**

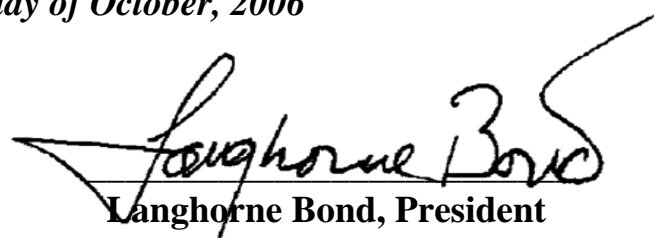
### **Otis Philbrick**

*Albert Frost has brought creativity and professionalism to his nine years as Co-Editor of Loran Lines, the official publication of the International Loran Association. Under his leadership, Loran Lines has consistently and accurately reported news of technical, management and policy events relating to Loran and to positioning, navigation and timing in general. His efforts have enhanced significantly the International Loran Association's objectives of informing and educating users, providers and governments throughout the world. In recognition of his leadership and outstanding contributions to Loran and the ILA,*

*The International Loran Association presents:*

*The President's Award*

*Presented this 25<sup>th</sup> day of October, 2006*



Langhorne Bond, President

**International Loran Association**  
**Outstanding Service Award**

This is to certify that  
**Dr. Robert Lilley**

*By virtue of his contributions to Loran and the Association as  
General Chair of the  
International Loran Association  
34<sup>th</sup> Annual Convention and Technical Symposium 2005,  
has significantly fostered the Aims and Purposes of  
The International Loran Association.*

*Presented this Presented this 25<sup>th</sup> day of October, 2006*

*By Authority of the Board of Directors*

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**William F. Roland, Chair, Awards Committee**

**International Loran Association**  
**Outstanding Service Award**

**This is to certify that**

**Gregory A. Johnson**

*By virtue of his contributions to Loran and the Association as  
Technical Chair of the  
International Loran Association  
34<sup>th</sup> Annual Convention and Technical Symposium 2005,  
has significantly fostered the Aims and Purposes of  
The International Loran Association.*

*Presented this Presented this 25<sup>th</sup> day of October, 2006*

*By Authority of the Board of Directors*

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**William F. Roland, Chair, Awards Committee**

**International Loran Association**  
**Outstanding Service Award**

**This is to certify that**  
**Charles Schue**

*By virtue of his contributions to Loran and the Association as  
Sponsorship Chair of the  
International Loran Association  
34<sup>th</sup> Annual Convention and Technical Symposium 2005,  
has significantly fostered the Aims and Purposes of  
The International Loran Association.*

*Presented this Presented this 25<sup>th</sup> day of October, 2006*

*By Authority of the Board of Directors*

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**William F. Roland, Chair, Awards Committee**



# **International Loran Association**

## **Best Paper Award**

**Michael A. Lombardi**

*National Institutes of Standards and Technology*

*Is recognized for his outstanding contribution to Loran and the Association  
in the Preparation and Presentation of the paper:*

**“The Potential Role of Enhanced Loran-C in the National Time &  
Frequency Infrastructure”**

*at the 34<sup>th</sup> Annual International Loran Association  
Convention and Technical Symposium 2005*

*Presented this 25<sup>th</sup> day of October, 2006*

*By Authority of the Board of Directors*

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**William F. Roland, Chair, Awards Committee**

# **International Loran Association**

## **Best Paper Award**

**Thomas Celano**

*Timing Solutions, Inc.*

*Is recognized for his outstanding contribution to Loran and the Association  
in the Preparation and Presentation of the paper:*

**“The Potential Role of Enhanced Loran-C in the National Time &  
Frequency Infrastructure”**

*at the 34<sup>th</sup> Annual International Loran Association  
Convention and Technical Symposium 2005*

*Presented this 25<sup>th</sup> day of October, 2006*

*By Authority of the Board of Directors*

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**William F. Roland, Chair, Awards Committee**

# **International Loran Association**

## **Best Paper Award**

### **Edward D. Powers**

*United States Naval Observatory*

*Is recognized for his outstanding contribution to Loran and the Association  
in the Preparation and Presentation of the paper:*

### **“The Potential Role of Enhanced Loran-C in the National Time & Frequency Infrastructure”**

*at the 34<sup>th</sup> Annual International Loran Association  
Convention and Technical Symposium 2005*

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**William F. Roland, Chair, Awards Committee**

**International Loran Association**  
**William L. Polhemus Student Paper Award**

**Wouter Pelgrum**

*Technical University of Delft*

*Is recognized for his outstanding contribution to Loran and the Association  
in the Preparation and Presentation of the paper:*

**“Noise – From a Receiver Perspective”**

*at the 34<sup>th</sup> Annual International Loran Association  
Convention and Technical Symposium 2005*

*Presented this day the 25<sup>th</sup> of October, 2006  
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**William F. Roland, Chair, Awards Committee**