The Board of Directors and the Officers of the International Loran Association welcome you to the 36th Annual Convention and Technical Symposium of the organization! This meeting marks our first in sunny Florida. We know you will enjoy not only the meeting but your stay in our entertainment city of the world. Thank you for your interest in Loran and your support of the ILA.

Registration and Fees: If you have not yet paid your registration fees for the Convention, the GAUSS or RTCM meeting, or guest's attendance, please check in at the registration desk to complete these transactions.

Meeting Proceedings: ILA-36 Proceedings will be published on Compact Disk media only. Cost for the Proceedings is included with the full registration to ILA-36, and additional copies may be purchased separately. Check with the Registration Desk or the ILA Operations Center.

ILA-36 Sponsors: The Association gratefully acknowledges the sponsoring organizations and the individuals who contributed time and money toward this meeting.

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Convention Committee, ILA-36

Co-Chairmen: John Beukers, Bill Roland

Technical Chairman: Sherman Lo

RTCM SC-127 Chairman*

Sponsorships: TBN Awards: William Roland

Registration & Arrangements: Ellen Lilley

GAUSS Chairman: Gerard Offermans

Ellena Roland

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Photography:

Cover Photo: Space Shuttle Discovery rests on Launch Pad 39B at NASA's Kennedy Space Center after completing the 4.2-mile journey from the Vehicle Assembly Building.

Image credit: NASA

Convention Sponsors



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Dr. Robert Lilley, Consultant

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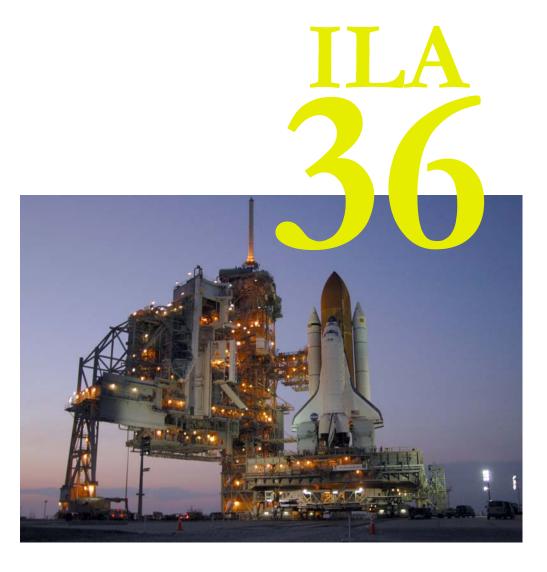
Loran

Association

Association
36th Annual
Convention
and Technical
Symposium

October 14-18, 2007 Embassy Suites Hotel International Drive/Jamaica Court Orlando, Florida USA

"eLoran + GNSS Diversity for Safety and Security"



36th Annual Convention and Technical Symposium **Embassy Suites, Orlando, Florida**

Sunday, October 14, 2007

4:00 - 6:30 pm Registration/Information Desk open Outside meeting rooms A-D **Early-Arrival Social** 5:30 -7:30 pm Hotel Atrium: Light refreshments, beverages complements of the hotel 7:30 -8:30 pm Bartender cash bar Dinner on your own

Monday, October 15, 2007

9:00 – 12 noon **GAUSS Standardization Committee Meeting** Meeting room A – mid morning refreshments Lunch on your own - Light lunch will be available in the hotel **RTCM Special Committee-127 Meeting** 2:00 – 5:00 pm Meeting room A – mid afternoon refreshments Registration/Information Desk open 4:00 – 5:30 pm Outside meeting rooms A-D 6:00 – 8:00 pm **Icebreaker Reception** Hotel Atrium **Sponsored by VT Communications** Dinner on your own

Tuesday, October 16 – General Sessions

All general sessions are in meeting rooms A and B Speakers' Breakfast - Atrium 7:00 am Hotel provided no-charge general breakfast - Atrium 8:00 – 10:30 am Registration/Information desk open Outside meeting rooms **Welcome Remarks and Keynote Address** 8:00 - 8:30 am John Beukers and Bill Roland, Conference Chairmen Sherman Lo. Technical Chairman Langhorne Bond, President Keynote Address: "Impact of e-Loran"

8:30 -10:00 am Session 1: Loran Status around the World Chair: Dr. Sherman Lo

8:30 Status of the United States Loran Program

Mitchell Narins Program Manager/Senior Systems Engineer **US Federal Aviation Administration**

European e-Loran Development Sally Basker Research Director

General Lighthouse Authorities

Far East RadioNavigation System (FERNS) Status Tamotsu Ikeda Far East RadioNavigation System

Loran Support Unit Update 9:30 Raymond Agostini Technical Director

US Coast Guard Loran Support Unit

US Coast Guard Loran Program Office Update

CDR Bob Feigenblatt United States Coast Guard

US Coast Guard NAVCEN LT Barry Boyd

United States Coast Guard

10:30 - 11:00 am Morning Break Sponsored by ALION

11:00 -	12:00	Session 2 – Loran Policy Issues Chair: Sally Basker
11:00	Facts and Data on eLoran, an Independent Perspective James Doherty Institute for Defense Analyses	
11:20		egislative History annessen Megapulse, Inc.
11.40		Definitions Document tgomery Symmetricom
12:00 -	1:30 pm	Luncheon – Meeting room C Sponsored in part by WRSystems
		2006-2007 Awards Presentations
1:30 - 3	3:00 pm \$	Session 3 – The Future PNT & the Role of Loran Chair: Charles Schue
1:30		n Management Associates - An Update on the FAA GPS on Strategy
	Doug He	Iton Consultant, Aviation Management Associates, Inc.
1:50		I Security Space Office (NSSO) I Position Navigation & Time (PNT) Architecture Study
	James D	oherty
2:10		eneration Air Transportation System (NGATS) Back-up System
0.00	U	ne Bond ILA President
2:30	Open Di	iscussion
3:00 – 3	3:30	Afternoon Break Sponsored by Reelektronika
3:30 – !	5:00 pm	Session 4 – Developing <i>eLoran</i> Chair: Gregory Johnson
3:30	An Inve	stigation into the Temporal Correlation of Monitor Sites
3:50		easonal Monitor Data to Assess Aviation Integrity
4:10	Loran To	<i>iming</i> Offermans Reelektronika
4:30 A New UK Loran Transmitter:		
Procurement, Installation and Service Provision Paul Williams Project Engineer, Trinity House UK		
		elleher VT Communications
6:00 -10	0:00 pm -	Extravaganza Night Out
		Pirate's Dinner Adventure
		Transportation: Return trip coaches from hotel
Wed	nesday	y, October 17 – General Sessions
7:00 an	n	All general sessions are in meeting rooms A and B Speakers' Breakfast – Atrium
0.00	10.20 am	Hotel provided no-charge general breakfast - Atrium
8:00 -	10:30 am	Registration/Information desk open Outside meeting rooms
8:30 -10	0:00 am	Session 5 – Products and Applications Chair: Erik Johannessen
8:30	Geoenci Di Qiu	ryption on Loran Ph.D. Candidate, Stanford University
8:50		r Development
9:10	Busines	s Case for Loran
9:30		nover President & CEO, CrossRate Technology W of the Enhanced Loran Research Receiver tgomery Symmetricom
10:00 -	10:30 am	Morning Break Sponsored by Ohio University

10:30 - 12:00 Session 6 - Testing and Technology Chair: Gerard Offermans 10:30 Feasibility of Increasing Loran Data Capacity using a Modulated Tenth Pulse Benjamin Peterson Peterson Integrated Geopositioning 10:50 Modeling of Loran-C Additional Secondary Factors Software Engineer, Ohio University Janet Blazyk 11:10 Loran TOA Measurements System 2.0: System Enhancements, Validation and Shakedown Wouter Pelgrum Exian Navigation Solutions 11:30 Alternative Concept of Operations (ACO): Rugby Relocates Erik Johannessen Megapulse, Inc. 12:00 - 1:30 pm **Luncheon** – *Meeting room C* Sponsored in part by CrossRate Technology Membership Meeting during lunch 1:30 - 3:00 pm Session 7: Maritime Loran Chair: Benjamin Peterson eLoran Maritime Service Provision: Initial Thoughts Consultant, General Lighthouse Authorities David Last Four Down, Fifty to go: An update on eLoran harbor surveys in the US Gregory Johnson ALION Science and Technology Saudi Positioning System Modernization and Expansion Eric Johannessen Megapulse, Inc. Differential eLoran Reference Station for Maritime and Precise Time Applications Gerard Offermans Reelektronika 3:00 – 3:30 pm Afternoon Break Sponsored in part by Dr. Robert Lilley 3:30 - 4:30 pm Session 8: Harmonizing Loran and GNSS Chair: Paul Williams Space Weather: What IS the Sun Doing? International Space Environmental Service Joseph Kunches Multiplexing GPS & H Field Loran on a Single RF Conductor for Retrofit Installations Benjamin Peterson Peterson Integrated Geopositioning Closing Remarks

4:30 – 5:30 pm 146th ILA Board of Directors Meeting Boardroom

6:30 - 7:00 pm **Banquet Reception** Sponsored by WRSystems

7:00 - 10:00**Banquet**

> The Medal of Merit Award, the Beukers Innovation Award, and ILA President's Award, will be presented at the Banquet

Speaker: Banquet Speaker name

^{*} The registration and Information desk will be open at the times indicated above. The desk may be open at other times also.