

ALI

AEROSPACE LIGHTING INSTITUTE

ADVANCED TECHNOLOGY SEMINAR PROGRAM

DAY ONE

Monday, March 28, 2011

Golf Tournament Los Verdes Golf Course

8:00 Shuttle Leaves (meet in lobby)

9:45 Group Photo

10:00 Tee Time

6:00 **Exhibits & Opening Reception**

Co-sponsored by ALI Exhibitors and Control Products Corporation

DAY TWO

Tuesday, March 29, 2011

7:30 **Registration & Coffee**

8:00 **Welcome and Opening Remarks**

8:15 **Civilian Use of NVG's and the Latest FAA Requirements for Training**

Joseph (Chuck) Antonio, MD
Research & Engineering Development

9:15 **Visibility of LED Obstruction Lights Viewed with Night Vision Goggles**

DeForest "Deke" Joralmon, PhD
L-3 Communications

10:00 **Urgent Need and Requirements for NVIS Solutions on the C130 H2 Aircraft**

Chris Zeller AATC/DOS
Air National Guard/Air Force Reserve
Command Test Center (AATC) and John Wilkens, C-130 Program Analyst for AATC

10:20 **Networking Break**

10:30 **Aviation Lighting for Human, Enhanced, and Synthetic Vision Systems**

Dr. Michael Crognale, PhD, CFII
University of Nevada-Reno

11:30 **Conspicuous Color Shifts with Patterned Backgrounds**

Patrick Monnier
Colorado State University

12:30 **Tribute to Mr. George W. Godfrey Luncheon**

Mr. Tim Godfrey

2:30 **Flight Deck Design Optimization - Taking into Account Human Vision**

Günther Hasna
OPTIS SAS

3:30 **Light Source Influence on NVIS Glass Filter Chromaticity and Radiance**

Matt Bogart
Kopp Glass, Inc.

5:00 **Wamco Hospitality Party**
Room 1701

DAY THREE

Wednesday, March 30, 2011

7:30 **Coffee**

8:00 **NVIS Lighting Airworthiness Challenges and Solutions**

David Luke
Night Flight Concepts

9:15 **Networking Break**

9:30 **Simulation and Measurement of the Intensity Diagram of Exterior Aircraft Lighting Systems**

Gunther Hasna
OPTIS SAS

10:30 **Cockpit Integration of Helmet-Mounted SWIR Imaging Systems**

Mickey Jacobson
Esterline Control Systems (Korry)

11:30 **Lunch/Hotel Checkout**

1:00 **AMLCD Ruggedization for Avionics**

Pete Frazier
Wamco, Inc.

2:00 **Measuring NVIS Radiant Intensity (NRI)**

Chris Rapp
Westboro Photonics

3:00 **10 years of LED External Lighting – Lessons Learned and Future Directions**

Tim Bushell
Oxley Group

4:00 **Closing Remarks**