Drs. Tony Ciavarelli and Michael McCauley facilitate a DISCUSSION of human factors issues surrounding system failures including:

- Evolution of aircraft cockpit (attitude gyro, GPWS, automation – design and training issues)
- Night vision goggle training and Crew resource Management Training
- Motion Bases and other transfer of training and effectiveness issues
- Safety management – of manual materials handling at sea
- Numerous inputs, sea stories of success and failure from the audience
Conclusions – Ideas generated:

- Many operational system failures are due to lack of input from users at the design phase, and miss critical human performance considerations.

- Some new training systems are fielded that are not realizing their full potential because they lack the training support required for effective utilization.

- A human-centered design approach, with inputs from operational personnel and human factors experts might result in more reliable systems.

- There is a critical need for performance measurement and effectiveness evaluation in the field and in simulation training.