



American Institute of Aeronautics and Astronautics

HOUSTON SECTION • P.O. Box 57524 • Webster, Texas 77598

Web site: www.aiaa-houston.org

“Lunch-and-Learn”

$$Q = \frac{\mu}{r^3 \mathbf{r}^T \mathbf{V}_{REQ}} \mathbf{r} \mathbf{r}^T$$

The AIAA Houston Section Guidance, Navigation, and Control Technical Committee Presents

Where Did That Equation Come From?

- Knowledge Capture -

John Goodman

United Space Alliance

DATE: February 2, 2006 (Thursday)

TIME: 11:30 AM - 12:30 PM

PLACE: JSC Building 16, Conference Rooms 111 and 113 (Seating Limited to 49)

Ensuring safety and mission success of legacy and future vehicles depends on development, verification, performance analysis, and maintenance of hardware and software in both on-board and ground systems. Extensive analysis is also performed in support of mission design and procedure development. These activities depend on insight into underlying theory, requirements rationale, analysis techniques, systems history, and software tools over the life of a program.

Loss of knowledge occurs through mechanisms such as retirements, job changes, corporate takeovers, and the downsizing of both the work force and program content. Innovative approaches to perform knowledge capture and management are required to overcome bureaucratic, cultural, technical, and budgetary obstacles.

What have other engineers been doing to address the knowledge capture and management problem? Where did the equation on this announcement come from? Come and find out!

John Goodman has been supporting the Mission Operations Directorate for over 19 years in the areas of flight software verification, rendezvous analysis, training material development, GPS integration, lessons learned, knowledge capture, and flight safety awareness.

Please bring your lunch and a friend. This event is open to the public. AIAA membership is not required. Professional Engineers earn one hour of credit toward Continuing Education requirements by attending this event. If you plan to attend, registration is recommended on-line at www.aiaa-houston.org. Seating will be limited to 49 for this LnL (first come first serve). If you require JSC badging, please register three days in advance (US citizens) or 16 days in advance (non-US citizens). For additional information contact Douglas Yazell at 281-244-3925.

Learn more about the AIAA Houston Section at <http://www.aiaa-houston.org>