



# STANFORD CENTER FOR POSITION NAVIGATION & TIME



**NOVEMBER 9-10, 2010**      **4<sup>TH</sup> ANNUAL SYMPOSIUM**      **Kavli Auditorium at SLAC**

*The major challenges and opportunities for the next 10 years & beyond...*

## Schedule

- November 9  
All Day, plus Dinner
- November 10  
Morning

## Hosts

- Per Enge
- Jim Spilker
- Mark Kasevich
- Tom Langenstein
- Brad Parkinson

## Invited Speakers

- **Brad Parkinson**—Opening comments
- **David Last**—Crime, Punishment and the Global Positioning System
- **Col. Bernard Gruber**—GPS Modernization & Program Update
- **Guenter Hein**—Where are we going in satellite navigation?
- **Alexander Mitelman**—Characterizing real-world signal environments
- **Steve Logan**—GPS Supervision for Corrections and Law Enforcement
- **Kaveh Pahlavan**—Wi-Fi Localization and its Emerging Applications
- **Dave Whelan**—iGPS, the benefits of integration with Nav and Com
- **Frank van Diggelen**—Nav Tech from the Santa Maria to Satellites
- **Ranwa Haddad**—Options for Navigation Related Civil Messaging
- **Francis Everitt**—Navigating Gravity Probe B—The Final Results
- **Grace Gao for Mingquan Lu**—Status of Compass Development
- **Mitch Narins**—Robust Radionavigation - Alternate PNT (APNT)
- **Sigrid Close**—Space Environment & Satellite Systems (SESS)
- **Nobuaki Kubo**—Japanese GPS Augmentation System, QZSS
- **Cormac Conroy**—A consumer perspective on GPS/GNSS
- **Andrei Shkel**—Micro-technology for PNT
- **RChris Hegarty**—A Brief History of L5
- **Leo Eldredge**—GNSS in NextGen

**Plus:**  
*Student  
Poster  
Sessions*

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**SPACE IS LIMITED to 160 Attendees! — RSVP Required**

