

Stanford

Andrew Kevin Barrows

Adjunct Professor, Aeronautics and Astronautics

Bio

ACADEMIC APPOINTMENTS

- Adjunct Professor, Aeronautics and Astronautics

Teaching

COURSES

2018-19

- It IS Rocket Science!: AA 121Q (Spr)
- Operation of Aerospace Systems: AA 149 (Aut)

2017-18

- Advanced Space Mechanics: AA 279B (Spr)

2016-17

- It IS Rocket Science!: AA 121Q (Spr)

2015-16

- Advanced Space Mechanics: AA 279B (Spr)

Publications

PUBLICATIONS

- **Alaskan flight trials of a synthetic vision system for instrument landings of a piston twin aircraft** *Conference on Enhanced and Synthetic Vision 1999*
Barrows, A. K., Alter, K. W., JENNINGS, C. W., Powell, J. D.
SPIE - INT SOC OPTICAL ENGINEERING.1999: 98–106
- **Operational experience with and improvements to a tunnel-in-the-sky display for light aircraft** *10th International Technical Meeting of the Satellite Division of the Institute-of-Navigation*
Barrows, A. K., Alter, K. W., Enge, P., Parkinson, B. W., Powell, J. D.
INST NAVIGATION.1997: 791–799
- **GPS-based attitude and guidance displays for general aviation** *1996 IEEE Conference on Emerging Technologies and Factory Automation (ETFA 96)*
Barrows, A. K., GebreEgziabher, D., Hayward, R., Xia, R. X., Powell, J. D.
IEEE.1996: 423–428
- **Flight tests of a 3-D perspective-view glass-cockpit display for general aviation using GPS** *8th International Technical Meeting of the Satellite Division of the Institute-of-Navigation (ION GPS-95)*
Barrows, A., Enge, P., Parkinson, B., Powell, J. D.
INST NAVIGATION.1995: 1615–1622
- **FLIGHT TRIALS OF THE WIDE AREA AUGMENTATION SYSTEM (WAAS)** *7th International Technical Meeting of the Satellite-Division of the Institute-of-Navigation (ION GPS-94)*
Walter, T., Kee, C., Chao, Y. C., Tsai, Y. J., PELED, U., Ceva, J., Barrows, A., Abbot, E., Powell, J. D., Enge, P., Parkinson, B.

INST NAVIGATION.1994: 1537–1546

- **FLIGHT TEST RESULTS OF AUTOCOUPLED APPROACHES USING GPS AND INTEGRITY BEACONS** *7th International Technical Meeting of the Satellite-Division of the Institute-of-Navigation (ION GPS-94)*

Cohen, C., LAWRENCE, D., Pervan, B., COBB, H. S., Barrows, A., Powell, J. D., Parkinson, B., Wullschleger, V., Kalinowski, S.

INST NAVIGATION.1994: 1145–1153