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The Puget Sound Chapter of AESS presents

Backside Lunar Observatory

Dr Myron Kayton—Kayton Engineering Company
6pm (light refreshments) for 6:30-7:30pm, Wednesday, October 1, 2008
(venue details over)

What will we do once we get to the Moon? The first steps will be to land on the front side and at the poles. A later step has been discussed by scientists for decades; the establishment of an observatory on the far side of the lunar surface.

Courtesy Pat Rawlings

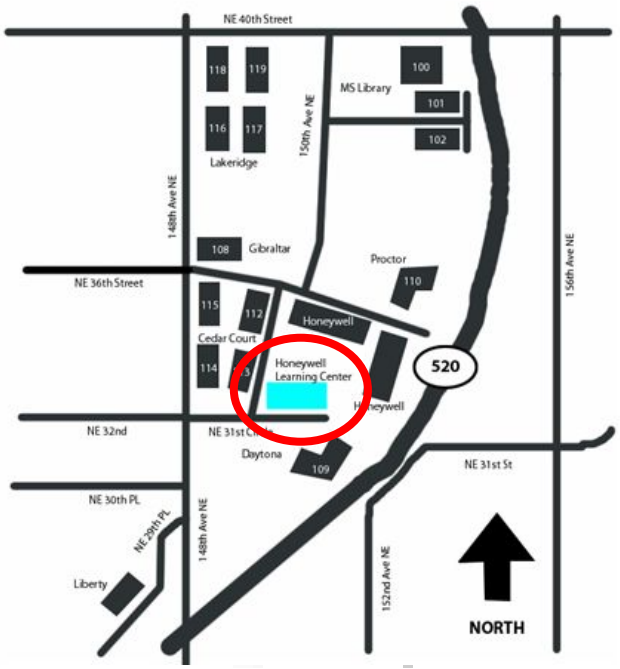
In this talk, distinguished lecturer Dr Myron Kayton will cover the many facets needed for just such an endeavor. Such elements include observatory location, trans-lunar trajectories and Moon–Earth data transmission.

To attend, **please RSVP no later than 30 September 2008** to Reece Lumsden at reece.h.lumsden@boeing.com

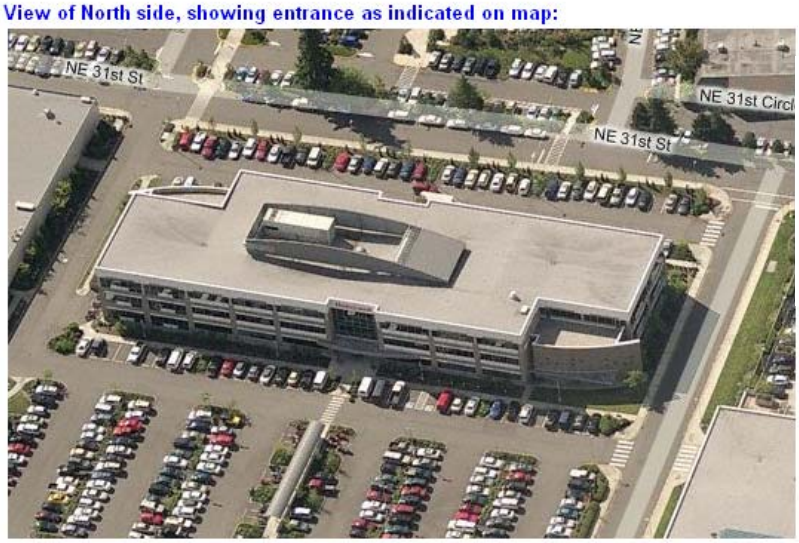
Speaker Bio: Dr. Kayton has 50 years of experience designing and testing avionic, navigation, communication, and computer-automation systems. He currently serves a range of clients as a consulting engineer through the Kayton Engineering Company. From 1968-81 while at TRW, he served as the Chief Engineer for Spacelab avionics, Head of System Engineering for Space Shuttle avionics, and Project Engineer for Inertial Upper Stage electronics. Prior to this, Dr. Kayton served as the Deputy Manager for Lunar Module Guidance and Control at the NASA Johnson Space Center. His office directed contractors designing two inertial navigation systems, an alignment telescope, flight controls, crew station and two radars. From 1960-65, Dr Kayton was Section Head at Litton's Guidance and Control Division, where he designed and analyzed some of the earliest multi-sensor navigation systems.

Dr. Kayton received a Ph.D. in Instrumentation from M.I.T. in 1960, an M.S. in electrical engineering from Harvard University and a B.S. in mechanical engineering from The Cooper Union. As a Life Fellow of IEEE, he was an elected member of the corporate Board of Directors, and served two terms as President of the Aerospace and Electronic Systems Society. He is author of the standard reference text: Avionics Navigation Systems (1st and 2nd Ed) and of Navigation: Land, Sea, Air and Space. He has received several honors including IEEE's Millennium Medal, IEEE-AES's Carlton Award for the best technical paper of 1988, and ION's Kershner Award for Navigation.

View of South side:



View of North side, showing entrance as indicated on map:



14980 NE 31st Street
Redmond, WA 98052
(Street Address is NOT on the Building)

Driving Directions

- From Sea-Tac International Airport, take State Route 518 East
- Follow signs to I-405 North Bound, continue north on I-405 through
- Bellevue
- Take State Route 520 East to the 148th Avenue North Exit
- At the light, the road will veer to the right
- Turn right on NE 31st Street, just past Azteca Mexican Restaurant; you will see a sign the reads "Microsoft Cedar Court"
- Turn left at the Honeywell sign onto the side street
- Turn right at the second entrance into the parking lot
- The Learning Center is in the large 3 story glass building to your right as you enter the parking lot
- Please check in at the front desk to locate your training room