

Maui International Double Star Conference

8-10 February, 2013 -- Pukalani, Maui, Hawaii
Held at the University of Hawaii's Institute for Astronomy, Maui

Special Events

Wednesday 6 February Atlantis submarine cruise and Lahaina old town tour
Thursday 7 February Haleakala summit tour and dinner at Kula Lodge
Saturday 9 February Haleakala summit evening observing session
Sunday 10 February aloha dinner and special evening talk

The Maui International Double Star Conference will cover all aspects of visual double star astrometry. Invited talks and contributed posters are welcome on double star history, instrumentation, observations, orbital analysis, catalogs, organizations, journals, and student research. All observational techniques from simple visual astrometric eyepieces and CCD astrometry, to lucky imaging, adaptive optics, and speckle, amplitude, and intensity interferometry will be covered. A special session and workshop will highlight how students can learn about science by conducting their own double star research. Being a published "scientist" significantly advances their educational careers. The conference will conclude with a panel discussion on the current status and future prospects for double star astrometry. Papers will be included in a book published by the Collins Foundation Press. Although all attendees pay their own expenses, a limited number of high school and undergraduate student scholarships will be made available. Please see <http://www.AltAzInitiative.org> for conference details and registration. The primary science contact is Russ Genet (805) 438-3305, russmgenet@aol.com, while the primary local contact is Steve McGaughey, 808 281 2468, stevemcgee2@yahoo.com.



The conference will be held at the University of Hawaii's Institute for Astronomy, Maui

Special Events

Wednesday 6 February Atlantis submarine cruise and Lahaina old town tour

Captain Steve McGaughey will be our guide. When not observing double stars at the summit of Haleakala, Steve earns his living as an Atlantis submarine Captain. After the morning submarine cruise we'll eat lunch at the historic Pioneer Inn and take a walking tour of the picturesque old town Lahaina, followed by drinks and a quiet dinner in Lahaina.



The Atlantis Submarine

Thursday 7 February Haleakala summit tour and dinner at Kula Lodge

The Thursday afternoon summit tour will provide insider's tours of the 2-meter Faulkes Telescope North (FTN) of the Las Cumbres Observatory Global Telescope Network, the Pan-STARRS telescope with its huge CCD camera that images much of the sky every night, and the Haleakala Amateur Astronomers observatory, arguably the best amateur observing site on the planet. Guest may enjoy the summit tour or can just come for dinner at the Kula Lodge.



The 2-meter FTN



Pan-STARRS



Kula Lodge, partway up Haleakala has a gorgeous view



Haleakala Amateur Astronomers observatory foreground, FTN background



Saturday 9 February Haleakala summit evening observing session

Half way through the conference, weather permitting, we will have dinner at the Kula Lodge, part way up Haleakala, followed by an observing session at the Haleakala Amateur Astronomers observatory at the summit. Bring warm clothes and your favorite binoculars.

Sunday 10 February aloha dinner and special evening talk

The last day of the conference will feature a special Hawaiian aloha dinner and an after dinner speaker that should appeal to attendees and their guests.

Accommodations

Maui is blessed with a wide assortment of beach-front resort hotels, condos, bed and breakfasts, etc. It makes an ideal location for a family winter vacation. Bring your family and come early or stay late. Guests are welcome at all of the special events.

Maui International Double Star Conference

Scientific Organizing Committee

Chair: Russell Genet, California Polytechnic State University, telescopes and instrumentation
Rainier Anton, Altenkolz/Keil, Germany, lucky imaging
Federico Bianco, Las Cumbres Observatory Global Telescope Network, lucky imaging
Robert Buchheim, Coto de Caza, California, author *The Sky is Your Laboratory*
R. Kent Clark, Editor, *Journal of Double Star Observations*, University of South Alabama
Laurent Corp, President, Association d'Astronomie Andromède, France
B.J. Fulton, Las Cumbres Observatory Global Telescope Network, speckle interferometry
William Hartkopf, U. S. Naval Observatory, catalogs, orbital solutions, and speckle interferometry
Elliott Horch, Southern Connecticut State University, speckle and intensity interferometry
Oleg Malkov, Institute of Astronomy, Russian Academy of Science, properties of binary stars
John Martinez, Las Cumbres Observatory Global Telescope Network, telescopes
Ed Wyley, University of Kansas, speckle interferometry

Educational Organizing Committee

Chair: Vera Wallen, Cuesta College, California, double star research as science education
J.D. Armstrong, University of Hawaii Institute for Astronomy, student research and outreach
Jolyon Johnson, California State University, Chico, undergraduate double star research seminars
Paul Hardersen, University of North Dakota, Space Sciences Doctoral Program/astronomy option
John Pye, University of Hawaii, Maui College, undergraduate astronomy laboratory
Douglas Walker, Glendale Community College, Arizona, undergraduate research seminars
Erick Weiss, University of California, San Diego, undergraduate double star research seminars

Local Organizing Committee

Chair: Joseph Ritter, University of Hawaii, Institute for Astronomy, telescopes and instrumentation
Ellie McGaughey, Wailuku, Maui, conference arrangements
Steve McGaughey, Haleakala Amateur Astronomers, student double star observations