NOTE: No data were collected for 1990 or earlier years.

TALKS:


March 13th 1991: "The Hawaii Space Grant College Program". National Space Grant College Directors' Meeting, Huntsville, Alabama.


April 5th 1991: "Volcanoes on Mars and Venus". Geology and Geophysics Department Seminar.

April 27th: "The Hawaii Space Grant College and Satellite Oceanography". Marine Option Program High School Seminar, UH.


July 31st 1991: "Volcanism in the Aleutians and Alaskan Peninsula from ERS-1". ERS-1 Team Meeting, University of Alaska.


October 29th, 1991: Three talks on "The Moon" to parents and students at Mililani Elementary School (~200 attendees).


February 14th, 1992: “Exploring the Earth from Space”, Honolulu Adventurers’ Club, Honolulu, HI.


April 15th, 1992: “The EOS Volcanology Team’s Science Experiment”, MODIS Team Meeting, NASA/Goddard Space Flight Center, Greenbelt, MD.


November 5th, 1992: “Scientific Uses of Planetary Cartography”, Western Conference of Map Librarians, University of Hawaii, Manoa.


April 29th, 1993: “Global Climate Change”, PEACESAT lecture, Univ. Hawaii.


May 4th, 1994: “From -20 to +1170°C: Searching for volcanic rocks throughout the solar system”. *Annual Sigma Xi Initiation Dinner*, Honolulu, HI.


May 20th, 1994: Monitoring Volcanoes in Alaska with Satellites”, *USGS Alaska Volcano Observatory*


February 8th, 1995: “Hawaii from Space”, a 1-hour TV show for *After School Science Club*, Hawaii Educational TV (Channel 26), Honolulu, HI.


March 10th, 1995: “Space Exploration”, tour for 18 three- and four-year old students from U.H. Day Care Center, Planetary Geosciences, UH.


April 20th, 1995: “Volcanology, EOS and the Eros Data Center DAAC”, USGS Eros Data Center Guest Speaker, Sioux Falls, South Dakota.


January 19th, 1996: Co-speaker (with Patty Fryer) at An Open Discussion of the Future of Funding for Geological Research, Geology Department TGIF Seminar Series.


February 14th, 1996: “Recent Results from Volcano Studies using the SIR-C/X-SAR”. SIR-C Team Meeting, Santa Barbara, CA.


April 8th, 1996: “Remote Sensing for Schools”. 2-hour presentation to 20 elementary and intermediate school teachers at Keaau School, Big Island.


June 24th, 1996: “Global Climate Change”, Hawaii Sea Grant Colloquium, UH Manoa.


July 9th, 1996: “Radar and Field Studies of Volcanoes in the Galapagos Islands”, Geology Department Seminar, Monash University, Melbourne, Australia.


December 18th, 1996: “Low-cost ground stations for radar interferometry studies”. Fall 1996 AGU meeting, San Francisco


March 12th, 1997: “The Eruptive Styles of Basaltic Shield Volcanoes from Shuttle Imaging Radar-C (SIR-C) and X-SAR Data”, SIR-C Team Meeting, Florence, Italy.
March 26th, 1997: “TOPSAR Digital Topography for the Analysis of Pacific Rim Volcanic Hazards”, *PacRim Team Meeting*, Monrovia, CA.

March 27th, 1997: Validation of TOPSAR Data for Kilauea Volcano, Hawaii”, *PacRim Team Meeting*, Monrovia, CA.


January 18th, 1999 “Experience with experimental and operational satellite data for hazard mitigation, response, and recovery”, Invited paper at: 2nd Conference on the applications of remote sensing and GIS for disaster management”, George Washington University, Washington, DC.


July 19th, 1999: “Widespread occurrence of dikes within the Olympus Mons aureole materials”. 5th International Mars Conference, CalTech, CA.


April 25th, 2000: “Innovative Remote Sensing Capabilities for Disaster Management”, Briefing to Bruce Baughman, Director of Operations at FEMA.


April 7th, 2003 “Introduction to Special Session on Remote Sensing of Volcanoes”.  Poster at Spring EGS-AGU Meeting, Nice.


November 4th, 2003: “Geology of Mars”, talk to 8th grade astronomy class, Sacred Hearts School, Honolulu.


November 3rd, 2004: “What does a Scientist Do?”, Two Career Day talks at Lutheran High School, Honolulu, HI.


March 14th, 2005: Chaired special session and gave talk at Kapiolani Community College’s 17th Annual International Festival called “Natural Hazards and Human Beings”. KCC campus.


November 9th, 2006: “Viewing the third dimension on Mars with the Mars Reconnaissance Orbiter”, Hawaii Space Society.

December 5th, 2006: “Geography of Mars, and Current and Future Exploration of the Red Planet”. Talk to 20 12th-grade students at Sacred Hearts School, Honolulu.
April 20th, 2007: “Impact of Climate Change on Hawaii”, talk given to Hawaii Economic Association, Honolulu, HI.


November 28th, 2007: “Research at SOEST”, presentation to Center for Research in Ocean Sciences (CEROS), Honolulu, HI.

December 11th, 2007: “New insights on ejecta emplacement at Martian impact craters from HiRISE images” Fall AGU Meeting, San Francisco.


April 29th, 2009: “Small satellite for Homeland Security applications”. Improving Space Operations Workshop, Honolulu, HI.


February 15th, 2011 “Progress Towards Hawaii’s Own Space Program”. Science Café, Hawaii Academy of Science.

March 15th, 2011. “Sustainability Research at the University of Hawaii at Manoa”,U.S. Pacific Command’s “Pacific Environmental Security Conference”, INVITED TALK.

October 14th, 2011. “Future Exploration of Venus: The Case for New Missions to Earth’s Twin”, Geology and Geophysics Seminar, SOEST.


April 12th, 2013: “Survivability in Hawaii: What’s next after sustainability?”. UH System Sustainability Summit, West Oahu.


September 2nd, 2014: “Monitoring sea-level rise in the Pacific with imaging radars”. Invited talk, Space Applications Center, ISRO, Ahmedabad, India.

September 3rd, 2014: “Opportunities for small satellites in sustainability research”. Invited talk, Space Applications Center, ISRO, Ahmedabad, India.
September 4th, 2014: “Geologic analysis of meteorite craters and volcanic landforms on Mars from Mars odyssey and Mars Reconnaissance Orbiter data”. Invited talk, Space Applications Center, ISRO, Ahmedabad, India.


April 17th, 2015: “Way cool and far out: Landing on a comet with the Rosetta space mission”. G&G/HIGP Friday Seminar. UH Manoa.

May 4th, 2015: “Detection from space of active volcanism on Earth and, potentially, on Venus and Rocky Exoplanets”. INVITED, Workshop on Comparative Tectonics and Geodynamics, CalTech.


January 8th, 2016: “UH Manoa’s role in Space Exploration”. Pearl Ridge Rotary Club invited speaker.


May 23rd, 2017: “Mare infilling of Tsiolkovskiy Crater, the Moon”. Cordilleran Section Meeting, Geological Society of America. Honolulu, Hawaii.

WORKSHOPS AND NON-TRADITIONAL COURSES


March 1993 to June 1993. In collaboration with PEACESAT, developed a non-credit distance learning course for school teachers in the Western Pacific (including Guam, Saipan, and American Samoa). This course required the production of ten 30-minute video tapes on space exploration and the Pacific Basin from space. I produced 5 of these shows myself.

June 1992 Assisted Jeff Taylor in the planning and running of the Hawaii Space Grant College “Exploring Planets in the Classroom” GG593 course. 2 week course attended by 45 teachers and librarians.

June 1993. Assisted Jeff Taylor in the planning and running of the Hawaii Space Grant College “Exploring Planets in the Classroom” GG593 course. 2 week course attended by 12 teachers. This included 5 days of field work on the Big Island, and produced a 20 minute video that has been distributed to all the participants.

September 1993 “Remote Sensing of Volcanoes”, presented at the General Assembly Meeting of the International Association of Volcanology and Geochemistry of the Earth’s Interior (IAVCEI) meeting, Canberra Australia.


June 1994 Assisted Jeff Taylor in the planning and running of the Hawaii Space Grant College “Exploring Planets in the Classroom” GG593 course. 2 week course attended by 46 teachers and librarians.

July 1995 “2nd NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. Ran week-long course attended by 9 participants from NASA Headquarters and elsewhere around the country.

February 1997. Assisted Dr. Scott Rowland, who ran a “3rd NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 10 participants from universities and government field laboratories around the country.

August 1998. Assisted Dr. Scott Rowland, who ran a “4th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 13 participants from universities and government field laboratories around the country.

August 1999: Assisted Dr. Scott Rowland, who ran the “5th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 10 participants from universities and government laboratories around the country.
July 15th, 2000. One-day workshop on natural hazards, held in conjunction with ISPRS Congress, Amsterdam.

October 8th, 2000. One-day workshop and field trip on natural hazards and remote sensing of Oahu. Held in conjunction with the first Global Disaster Information Network Conference, Honolulu, HI.

October 12th, 2000. One-day field trip on natural hazards and remote sensing of the Big Island. Held in conjunction with the first Global Disaster Information Network Conference, Honolulu, HI.

August 2001: Assisted Dr. Scott Rowland, who ran the “6th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 18 participants from universities and government laboratories around the country.

August 2003: Assisted Dr. Scott Rowland, who ran the “7th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 18 participants from universities and government laboratories around the country.


August 2005: Assisted Dr. Scott Rowland, who ran the “8th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 18 participants from universities and government laboratories around the country.

July-August 2008: Assisted Dr. Scott Rowland, Sarah Fagents and Bruce Houghton, who ran the “9th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 13 participants from universities and government laboratories around the country.

July 2010: Assisted Dr. Scott Rowland, Sarah Fagents and Bruce Houghton, who ran the “10th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 17 participants from universities and government laboratories around the country.

July 2013: Assisted Dr. Scott Rowland, Sarah Fagents and Bruce Houghton, who ran the “11th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-
long course attended by 16 participants from universities and government field centers from around the country.

July 2016: Assisted Dr. Scott Rowland, Sarah Fagents and Bruce Houghton, who ran the “12th NASA Planetary Volcanology Field Workshop”, Big Island of Hawaii. This week-long course attended by 15 participants from universities from around the country.

OTHER ACTIVITIES

MAY 3RD 2001: Judge for student posters. Undergraduate Research Symposium, University of Hawaii.

NEWSPAPER ARTICLES/TV COVERAGE


Friday Feb 11th, 2000: SRTM coverage on Channel 4 News in Honolulu at 10:00 p.m.

Tuesday Feb 15th, 2000: Live webcast describing the SRTM mission.

Wednesday Feb 16th, 2000: SRTM coverage on Channel 9 News in Honolulu at 6:00

Thursday Feb 17th, 2000: I was included in the article in USA Today about the SRTM mission.

Friday Feb 18th, 2000: SRTM coverage on Channel 2 News at 6:00 and 10:00 p.m.


Sunday Feb 20th, 2000: Honolulu Advertiser short article on SRTM

Tuesday November 28th, 2000: Included in a Star Bulletin article on radar studies of volcanoes.

Wednesday March 21st, 2001: Channel 2 TV News -- rebuttal of program saying Apollo Moon landings were faked.

Monday February 4th and Tuesday February 5th, 2002: Live “Webcast” from Mauna Kea, Big Island, in support of NASA’s upcoming Aqua launch. ~60 schools on-line plus shot archival footage of interview.
October 12th, 2015: “Impact craters and volcanoes on Mars”, ThinkTech Hawaii TV interview. See: https://www.youtube.com/watch?v=skkAfSaKcyM


April 25th, 2016: “Mapping Mars”, ThinkTech Hawaii TV interview. See: https://www.youtube.com/watch?v=dIXFamSegcQ&feature=em-upload_owner

June 27th, 2016: “Pluto, Comets and Asteroids – Deep Space Discoveries” ThinkTech Hawaii TV interview. See: https://www.youtube.com/watch?v=c_SrQO-YhYA

October 17th, 2016: “The methane lakes of Titan” ThinkTech Hawaii TV interview. See: https://www.youtube.com/watch?v=sKJCOpLe9m4

February 13th, 2017: “Volcanism on Jupiter’s moon, Io”. ThinkTech Hawaii TV interview. See: https://www.youtube.com/watch?v=BDSF0CAWGEk

April 10th, 2017: Host of ThinkTech Hawaii. “Hot lava at Kilauea volcano – advances in volcanology”. See: https://www.youtube.com/watch?v=yUQTwS-Rk9Q


April 24th, 2017: Host of ThinkTech Hawaii. “Mapping Hawaii’s Coastal Processes”. See: https://www.youtube.com/watch?v=Xzo3rA2BDG4

May 1st, 2017: Host of ThinkTech Hawaii. “Astronomy in Antarctica”. See: https://www.youtube.com/watch?v=URfBUhhSTLo

May 22nd, 2017: Host of ThinkTech Hawaii. “Science conferences in Hawaii”. See: https://www.youtube.com/watch?v=29WNaFOBG1M

June 5th, 2017: Host of ThinkTech Hawaii. “Space weathering”. See: https://www.youtube.com/watch?v=lI1zcgDQkqs


June 26th, 2017: Host of ThinkTech Hawaii. “King Tides of Hawaii”. See: https://www.youtube.com/watch?v=aHVrnM_vGUU
July 17th, 2017: Host of ThinkTech Hawaii. “Cosmic Dust”. See: https://www.youtube.com/watch?v=U8ZA\_AssJWr\_Gw


August 28th, 2017: Host of ThinkTech Hawaii. “Searching for Life Beyond Earth”. See: https://www.youtube.com/watch?v=7FCz\_Z\_E\_T\_Wi0s


September 18th, 2017: Host of ThinkTech Hawaii. “Remembering the Cassini Mission to Saturn”. See: https://www.youtube.com/watch?v=ERu4\_N\_eIJL\_g

September 25th, 2017: Host of ThinkTech Hawaii. “Recent Discoveries on the Moon”. See: https://www.youtube.com/watch?v=ll95\_E\_qK\_GqM

October 2nd, 2017: Host of ThinkTech Hawaii. This Summer’s Hurricanes – what we might expect in Hawaii”. See: https://www.youtube.com/watch?v=8IrTs0hjK7c

October 16th, 2017: Host of ThinkTech. “Preview of Open House at SOEST”. See: https://www.youtube.com/watch?v=hpvqgQDxb\_Q

October 20th, 2017: Live broadcast. “SOEST Open House”. See: https://www.youtube.com/watch?v=sJtTWy9hJ\_F

October 23rd, 2017: Host of ThinkTech Hawaii. “Exploring the dwarf planet Ceres” See: https://www.youtube.com/watch?v=SUB\_rds\_pOj7U

October 30th, 2017: Host of thinkTech Hawaii. “Restoring Hawaii’s fish ponds” See: https://www.youtube.com/watch?v=MV1\_yEqA2RE


November 13th, 2017: Host of ThinkTech Hawaii. “Predicting the end of a volcanic eruptions”. See: https://www.youtube.com/watch?v=FNOo\_N\_p2Atg

November 20th, 2017: Host of ThinkTech Hawaii. “When hot lava meets water”. See: https://www.youtube.com/watch?v=kF\_a0zJ0kxs


December 11th, 2017: Host of ThinkTech Hawaii. “Exploring the subsurface Earth with geophysics”. See: https://www.youtube.com/watch?v=0xGyp1mAqEM

December 18th, 2017: Host of ThinkTech Hawaii. “Research at the Hawaii Institute of Geophysics and Planetology”. See: https://www.youtube.com/watch?v=c2uhIhut5Kw