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EDUCATION:

Ph.D., Geological Sciences, 1993, Brown University, Thesis "Geology and Mechanisms for the Origin of Volcanic Rises in the Equatorial Region of Venus," 351 pp.

Sc.M., Geological Sciences, 1989, Brown University, Thesis "Geology of the Equatorial Region of Venus: A Comparison of Volcanic and Tectonic Styles Between the Equatorial Region and Northern High Latitudes," 164pp.

B.S., Geological Sciences, 1984, University of Arizona.

PROFESSIONAL EXPERIENCE:

Over 25 years of experience in geologic mapping and the interpretation of remote sensing image data of Venus, Ganymede, and Europa. Served as a science coordinator on the Galileo Solid State Imager (SSI), planning the acquisition of and the analysis of data from the Jupiter System. Managed science teams as a co-lead of numerous NASA Science Definition Teams and as NASA Program Manager and Deputy Project Scientist on the Mars Odyssey and Europa Clipper Missions.

- 2014-present **Deputy Project Scientist, Europa Mission.** In conjunction with the Project Scientist, ensure that the science objectives of the mission are defined. Interface with the engineering part of the project to generate mission scenarios, observation, and science system concepts. During formulation phase, generate Level-1 and Level-2 requirements for the selected payload. Serve as a member of Project Science Group. Manage and coordinate activities of Investigation Scientists. Provide briefings to members of Congress, their staff, NASA and JPL management. Present science and mission science reports at professional conferences.
- 2008-2014 **Deputy Study/Project Scientist, Jupiter Europa Orbiter (NASA component of the Joint NASA-ESA Europa Jupiter System Mission) and follow-on Europa Clipper mission study.** In conjunction with the Study/Project Scientist, ensure that the science objectives of the mission are defined. Serve as Deputy Study Scientist for the Europa Jupiter System Mission Science Definition Team. Interface with the technical part of the project to generate mission scenarios and observation concepts. Serve as an interface with the ESA Jupiter Ganymede Orbiter (JGO) science and technical teams. Participate in the generation of material in support of the NASA Announcement of Opportunity. Provide briefings to members of Congress, their staff, NASA and JPL management. Present science and mission science reports at professional conferences.
- 2003-2017 **Deputy Project Scientist, Mars Odyssey.** In conjunction with the Project Scientist, manage the science teams and activities associated with the Mars Odyssey Mission. Co-convene Project Science Group meetings, participate in investigation team meetings, and present science results at professional conferences. Co-lead the generation of extended mission proposals (1st through 5th extended missions). Present science results at NASA monthly and quarterly reviews.
- 2002-2014 **Program Manager for Science Research & Analysis.** Manage the development of planetary science research proposals in response to NASA Research Announcements (NRAs). Manage funds for awarded proposals. Support development of advanced mission concepts. Manage and provide oversight of JPL activities associated with the PDS Engineering, Imaging, and NAIF Nodes.
- 2000-2002 **Discipline Scientist, Planetary Geology & Geophysics Program.** Manage ~\$13 million Research and Analysis program funding a diverse array of investigations (Planetary Geophysics, Remotes Sensing--Mars, Venus, Moon, Mercury, Outer Planet Satellites, Small Bodies, Volcanology, Solar

- System Dynamics). Generate solicitation for proposals included in the yearly NASA Research Announcement (NRA). Assemble and lead review panels for science and cartographic proposals. Lead proposal review process, generate recommendations for selection and funding. Implement distribution of funds to awardees.
- 2000-2002 **Program Scientist, Mars Reconnaissance Orbiter (MRO).** In cooperation with the Mars Program Lead Scientist, assemble Science Definition Team to define basic mission science requirements and associated instrumentation. Generate NASA Announcement of Opportunity to solicit science investigations. Participate in proposal Technical Management and Science Reviews and generate investigation selection material for Mars Program Lead Scientist. In cooperation with the MRO Project, generate Level-1 science requirements and Mission Success Criteria. Work with project/program executives, engineers, and investigators to ensure that mission design characteristics meet mission science requirements.
- 1994- **Science Data Analysis.** Funded investigator through the NASA Planetary Geology and Geophysics (PGG) and Jupiter System Data Analysis (JSDAP) Programs. Analysis concentrating on assessing the relation between volcanism and rifting on Venus. Geologic mapping and structural analysis of Ganymede and Europa. Presentation of science results at professional meetings, to the media, and the general public. Member of JPL/Arizona State University PIDDP science and engineering design team for a Venus aerobot imaging system. Participation in Discovery Mission proposals as a science Co- investigator.
- 1999-2000 **JPL Mission Science Support.** *Experiment Representative for the Mars Volatiles and Climate Surveyor (MVACS) experiment on the Mars '98 Polar Lander:* Ensure that the mission science objectives are met by providing a link between the science team and Project management. Assist in the development of instrument commanding sequences. *Science representative to the Marsnet Project;* Interact with the science community and engineers designing a constellation of telecommunication satellites. Define science requirements for navigational determination of surface assets and data downlink. *Science Support for Team-X:* Tasks include, (1) Meet with customers to establish science goals and priorities; (2) Generate tools to evaluate trades between spacecraft and telecommunication resources and science objectives, and (3) Interact with representatives for the other spacecraft sub-systems to ensure that the science goals are met.
- 1994-1999 **Science Coordinator, Galileo Solid State Imaging (SSI) System, Sterling Software/Jet Propulsion Laboratory.** Responsible for science observation sequence design and development for imaging Jupiter and its satellites. Tasks include, (1) interaction with investigators on the SSI team and with Science Coordinators for other instruments to negotiate observing time, (2) assemble spacecraft instrument observations designs and commands, (3) construct databases to account for spacecraft resources, and (4) perform computer modeling of SSI performance and data compression. Present science results to Project management.
- 1992-1994 **National Research Council Resident Research Associate, Jet Propulsion Laboratory,** advisor, Dr. R. S. Saunders. Research concentrating on geologic mapping of Venus to establish global-scale units, stratigraphy, and assess of the relationship between areas of mantle upwelling and global geologic patterns. Analysis of Magellan gravity data and geophysical modeling; comparison of the geophysical characteristics of hotspots on the Earth and Venus. Presentation of science results to the general public.
- 1986-1992 **Research and Teaching Assistant, Department of Geological Sciences, Brown University.** Analysis and geologic interpretation of radar data of Venus collected by the Arecibo, Pioneer Venus, Soviet Venera 15/16, and Magellan radar systems. Geologic mapping from radar images, concentrating on volcanic and rift structures; analysis of altimetry, surface roughness, reflectivity data, and analytical modeling of Magellan topography data and Pioneer Venus Line-of-sight (LOS) gravity data using the orbit simulation software, ORBSIM. Participate in Magellan mission planning including presentations to the Radar Investigators Group (RADIG). Presentation of lectures to introductory planetary geology and remote sensing classes. Teaching Assistant for introductory geology course, *Earth, Moon, and Mars*.

- 1989 **NASA/Goddard Space Flight Center Graduate Student Research Fellow.** Analysis of the geology of the equatorial region of Venus using Pioneer Venus radar data.
- 1988 **Visiting Scientist, National Astronomy and Ionosphere Center, Arecibo Observatory, Arecibo Puerto Rico.** Participate in the collection, processing, and interpretation of radar image data of Venus.
- 1985-1986 **Research Assistant, Woods Hole Oceanographic Institution, Woods Hole, MA.** Analysis of seismic reflection and refraction data; analytical modeling of seismic reflection profiles. Member of scientific crew on Ocean Drilling Program Leg 102 at a Deep Sea Drilling Project (DSDP) site southwest of Bermuda to collect seismic reflection, refraction, bathymetry, and borehole seismic data.
- 1985 **Geologic Field Assistant, USGS, Office of Marine Geology, Woods Hole, MA.** Responsible for the analysis and digitizing of marine seismic reflection data.

NASA COMMITTEES:

- 2015-2018 Co-chair Venera-D Science Definition Team
- 2010-2014 Deputy Study Scientist and Member of NASA's Europa Clipper Science Definition Team
- 2008-2010 Deputy Study Scientist and Member of NASA's Jupiter Europa Orbiter (JEO)/Europa Jupiter System Mission Science Definition Team
- 2008-2009 Co-Chair of NASA's Venus Flagship Science and Technology Definition Team
- 2007 Co-Chair of NASA's Jupiter System Observer (JSO) Science Definition Team
- 2002-2004 Member-NASA Jupiter Icy Moons Orbiter (JIMO) Science Definition Team
- 2001 NASA Mars Reconnaissance Orbiter (MRO) Science Definition Team
- 1998-2000 NASA Planetary Geology Management Operations Working Group (MOWG)
- 1997-1999 NASA Planetary Geology Planetary Cartography and Mapping Working Group (PCMWG)
- 1998-2000 NASA Planetary Geologic Mapping Committee (GEMS)
- 1997-1999 NASA Planetary Geology and Geophysics Review Panel, Group Chief of Venus Volcanology and Remote Sensing sub-panel

HONORS AND AWARDS:

- 2019 NASA Group Achievement Award, Europa Global Geologic Mapping Team
- 2015 NASA Group Achievement Award, Mars Odyssey Comet Siding Spring Operations Team
- 2013 NASA Group Achievement Award, MSL Relay Operations Team
- 2005 NASA Group Achievement Award, Jupiter Icy Moons Orbiter
- 2004 NASA Group Achievement Award, Mars Odyssey
- 1998-2000 Principal Investigator, NASA Jupiter System Data Analysis Program
- 1998 JPL, TAP Office Achievement Award, Babylonian Productions Affiliate Program
- 1998 NASA Group Achievement Award: Galileo Project Team
- 1997 NASA Group Achievement Award: Galileo Orbital Operations Recovery Team
- 1997 Co-Investigator, Exploration of Volcanoes and Atmosphere (VEVA) Discovery mission proposal
- 1997 Co-Investigator, Venus Environmental Satellite (VESAT) Discovery mission proposal
- 1994 NASA Group Achievement Award, Magellan Project, Gravity data collection.
- 1993 Editors' Citation for Excellence in Refereeing, JGR-Planets.
- 1992 NASA Group Achievement Award, Magellan Project.

PROFESSIONAL ACTIVITIES:

- 2015 Co-convenor & session co-chairperson, AbSciCon, "The Habitability of Icy Worlds."
- Co-convenor & session co-chairperson, AGU Session, "Scientific Investigations and Synergies in the Exploration of Europa" (oral and poster sessions)
- 2014 Meeting Co-convenor, "The Habitability of Icy Worlds" Workshop.
- 2012 Mars Trace Gas Orbiter, HiSCI PDR Board member
- 2010 Convener & session co-chairperson, American Geophysical Union, "Science from Multispacecraft Observations: the Moon, Mars, and Jupiter."
- 2009 Convener, "Giant planet systems and interactions with the environments," European Planetary Science

	Congress,
2006	Session co-chairperson, "Exploration of the Frontier," ISTS Meeting
2006	Convener & session co-chairperson, "Odyssey: A New View of the Mars Surface," 37 th Lunar and Planetary Science Conference
2006	Lunar and Planetary Science Conference Program Committee
2005	Convener, "Advances in Planetary Exploration," IAA Asia-Pacific Regional Conference
2004	Convener, American Geophysical Union, "New View of Mars and its Environment"
2003	Co-convener of the sessions, "Science Rationale for the Jupiter Icy Moons Orbiter Mission" and "Latest Results from Mars Odyssey," American Geophysical Union Meeting
1996-98	Lunar and Planetary Science Conference Program Committee
1998	Co-convener, 27th Vernadsky-Brown Microsymposium workshop on Venus Geological Mapping
1997	Session co-chairperson, "Galileo Mission Results: Overview and Io", 28th LPSC
1996	Session co-chairperson, "Venus Volcanism and Tectonism", 27th Lunar and Planetary Science Conference.
1995	Session co-chairperson, "Asteroids and Moons", 22nd Vernadsky/Brown Microsymposium, Moscow, Russia.
1993	Session Chairperson, "Planetary Surfaces", American Geophysical Union Fall meeting.
1992	Session Chairperson, "Mars and the Moon", American Geophysical Union Fall meeting.
1992	Session co-chairperson, "Problems in Lunar Studies and Petrogenesis", 16th Vernadsky/Brown Microsymposium, Moscow, Russia.
1991	Presentation of Magellan science results on "Magellan at Venus", NASA-Select Television.
1986-	Member, American Geophysical Union.

INVITED LECTURES:

2015	"Formation of Tessera terrain: Insight from the study of Tellus Regio," Moscow Solar System Symposium, Moscow, Russia
2014	"Advancing the understanding of the geology of Venus: An overview of key targets and observations," Venus Targets Workshop, Houston, TX. "Overview of the Europa Clipper Science Definition Team Meeting Invited Advisory Session on Potential Plume Measurements" and "The Europa Clipper (Science and Mission Overview)," Europa Plume Workshop, Ames Research Center
2006	"Results from the Mars Odyssey Mission," Presentation & Panel discussion, Moscow Institute of Physics Summer School, Moscow, Russia.
2006	"Mars: The Adventure of Exploring the Red Planet," Cal State Northridge, Northridge, CA
2006	"The Worlds of the Outer Solar System: Icy Moons of the Giant Planets," CSUN, Northridge, CA
2004	"Results form the Mars Odyssey Science Mission," Pardee Lecture, GSA meeting
1998	"Results from the Magellan Mission to Venus", Physics Colloquium, Cal. State Univ., Los Angeles, CA,
1997	"The Galileo Mission to Jupiter: Results from the first year of Orbital Operations," Physics Seminar, University of Oregon, Eugene, OR,
1996	"Europa! Water Discovered! Interplanetary Water Resources Evaluations for the Next Millennium...Are Your Ready?" Keynote Speaker, 5th annual meeting of the Groundwater Resources Association, Costa Mesa, CA.
1995	"The Magellan Mission to Venus", Teachers Touch the Sky workshop, JPL, Pasadena, CA "Geology of Venus," Venus Unveiled Educator Conference, JPL, Pasadena, CA
1994	"Rifting, Volcanism, and Sites of Mantle Upwelling on Venus", Geology Colloquium, UCLA
1993	"The Magellan Mission to Venus: Results from Imaging and Gravity data", Martin Marietta Corp., Denver, CO
1993	"Results from the Magellan Mission to Venus", Ball Aerospace, Boulder, CO

FUNDED RESEARCH PROPOSALS:

2003	"Geologic Studies of Venus and Jovian System Satellites," Planetary Geology and Geophysics Program
1999	"Geologic Mapping of Europa: Evaluation of Global and Regional-scale Stratigraphy and Structure," Jupiter System Data Analysis Program
1997	"Geology of the Tellus and Phoebe Regions, Venus: Stratigraphy and Characterization of Plains, Tessera and a Zone of Rifting and Extension," Planetary Geology and Geophysics Program
1997	"Volcanic and tectonic processes on the Icy Galilean Satellites: Geologic mapping and evaluation of stratigraphic relations on Europa", Jupiter System Data Analysis Program

1995 "Geologic Mapping of the Juno Dorsum Region (V-47), Venus," Planetary Geology and Geophysics Program

PUBLICATION LIST FOR DAVID A. SENSKE

MAJOR NASA DOCUMENTS AND REPORTS(*Lead author or co-author*):

2019

Venera-D: Expanding our Horizon of Terrestrial Planet Climate and Geology through the Comprehensive Exploration of Venus: Phase II Report, 31 January 2019, 174 pages.

2017

Venera-D: Expanding our Horizon of Terrestrial Planet Climate and Geology through the Comprehensive Exploration of Venus, 31 January 2017, Senske, D. A., Zasova, L., et al., 93 pages.

2012

Europa Study 2012 Report, Europa Orbiter Mission, 1 May 2012, JPL D-71990 Task Order NMO711062 Outer Planets Flagship Mission, 174 pages.

Europa Study 2012 Report, Europa Multiple Flyby Mission, 1 May 2012, JPL D-71990 Task Order NMO711062 Outer Planets Flagship Mission, 215 pages.

Europa Study 2012 Report, Europa Lander Mission, 1 May 2012, JPL D-71990 Task Order NMO711062 Outer Planets Flagship Mission, 287 pages.

2010

Europa Jupiter System Mission (EJSM) Exploring the emergence of habitable worlds around gas giants, JPL D-67959, Task Order NMO711062, 15 November 2010, 261 pages.

2009

Venus Flagship Mission Study, final report of the Venus Science and Technology Definition Team, 292 pages, 2009.

2007

Jupiter System Observer. Mission Study: FINAL REPORT. Task Order # NMO710851. 01 November 2007. D-41284, 170 pages.

Extend Mission Proposals (Proposal Lead and Lead editor):

2012

2001 Mars Odyssey Fifth Extended Mission, Providing New Insight into the Composition and Dynamic Environment of Mars Prepared for the National Aeronautics and Space Administration, May 2012, 58 pages.

2010

2001 Mars Odyssey Fourth Extended Mission, *Prepared for the National Aeronautics and Space Administration*, February 2010, 66 pages.

2008

2001 Mars Odyssey Third Extended Mission, *Prepared for the National Aeronautics and Space Administration*, February 2008, 116 pages.

2006

2001 Mars Odyssey Second Extended Mission, *Prepared for the National Aeronautics and Space Administration*, April 2006, 104 pages.

Reports

2014

Cable, M. L., Beauchamp, P. M., Senske, D., Understanding Icy Worlds to Maximize Science Return on Future Missions, Eos, Transactions American Geophysical Union, Volume 95, Issue 28, pp. 256-256.

JOURNAL ARTICLES:

2021

Leonard, E., Patthoff, D. A., **Senske, D.** Global Geologic Map of Europa, USGS, *in press* 2021.

Resor, P. G., M. S. Gilmore, B. Straley, **D. A. Senske**, et al., Felsic Tesserae on Venus Permitted by Lithospheric Deformation Models, *J. Geophys. Res.*, 10.1029/2020JE006642\, 2021.

2020

Byrne, P. K., R. C. Ghail, M. S. Gilmore, A.M. Celâl Şengör, C. Klimczak, **D. A. Senske**, et al., Venus tesserae feature layered, folded, and eroded rocks, *Geology*, <https://doi.org/10.1130/G47940.1>, 2020.

2013

Pappalardo, R. T.; Vance, S.; Bagenal, F.; Bills, B. G.; Blaney, D. L.; Blankenship, D. D.; Brinckerhoff, W. B.; Connerney, J. E. P.; Hand, K. P.; Hoehler, T. M. Leisner, J. S., Kurth, W. S., McGrath, M. A., Mellon, M. T., Moore, J. M., Patterson, G. W., Prockter, L., **Senske, D. A.**, Schmidt, B. E., Shock, E. L., Smith, D. E., Soderlund, K. M., Science Potential from a Europa Lander, *Astrobiology*, vol. 13, issue 8, pp. 740-773, 2013.

2006

Senske, D. A., J. J. Plaut, and the Mars Odyssey Team, Two Mars years of Science Operations: Results from the Mars Odyssey Mission, *Proceedings of the 25th ISTS*, 2006.

2001

Moore, J. M., Asphaug, E., Belton, M. J. S., Bierhaus, B., Breneman, H. H., Brooks, S. M., Chapman, C. R., Chuang, F. C., Collins, G. C., Giese, B., Greeley, R., Head, J. W., Kadel, S., Klaasen, K. P., Klemaszewski, J. E., Magee, K. P., Moreau, J. Morrison, D., Neukum, G., Pappalardo, R. T., Phillips, C. B., Schenk, P. M., **Senske, D. A.**, Sullivan, R. J., Turtle, E. P., Williams, K. K., Impact Features on Europa: Results of the Galileo Europa Mission (GEM), *Icarus*, 151, 93-111, 2001.

2000

Greeley, R., Collins, G. C., Spaun, N. A., Sullivan, R. J., Moore, J. M., **Senske, D. A.**, Tufts, B. R., Johnson, T. V., Belton, M.J. S., Tanaka, K. L., Geologic mapping of Europa, *JGR*, 105, 22559-22578, 2000.

Gierasch, P. J., Ingersoll, A. P., Banfield, D., Ewald, S. P., Helfenstein, P., Simon-Miller, A., Vasavada, A., Breneman, H. H., **Senske, D. A.**, Galileo Imaging Team, Observation of moist convection in Jupiter's atmosphere, *Nature*, 403, 628-630, 2000.

1999

Rages, K., R. Beebe, and **D. Senske**, Jovian Stratospheric Hazes: The High Phase Angle View from Galileo, 139, 211-226, *Icarus*, 1999.

Little, B., C. D. Anger, A. P. Ingersol, A. R. Vasavada, **D. A. Senske**, H. H. Breneman, and W. J. Borucki, Galileo Images of Lightning on Jupiter, *Icarus*, 1999.

Klaasen, K. P, H. H. Breneman, W. F. Cunningham, J. M. Kaufman, J. E. Klemaszewski, K. P. Magee, A. S. McEwen, H. B. Mortensen, R. T. Pappalardo, **D. A. Senske**, R. J. Sullivan, A. R. Vasavada, Calibration and performance of the Galileo solid-state imaging system in Jupiter orbit, *Optical Engineering*, 38, 1178-1199, 1999.

1998

L. M. Prockter, J. W. Head, **D. A. Senske**, R. T. Pappalardo, G. Neukum, R. Wagner, U. Wolf, J. Oberst, B. Giese, J. Moore, C. R. Chapman, P. Helfenstein, R. Greeley, H. H. Breneman, and M. J. S. Belton, Dark Terrain on Ganymede: Geological Mapping of Galileo Regio at High Resolution, *Icarus*, 135, 317-344, 1998.

Simonelli, D. P., J. Veverka, D. A. Senske, F. P. Fanale, G. Schubert, M. J. S. Belton, Galileo Search for SO₂-Frost Condensation on Io's Nightside, *Icarus*, 135, 166-174, 1998.

McEwen, L. Keszthelyi, P. Geissler, D. P. Simonelli, M. H. Carr, T. V. Johnson, K. P. Klaasen, H. H. Breneman, T. J. Jones, J. M. Kaufman, K. P. Magee, **D. A. Senske**, M. J. S. Belton, and G. Schubert, Active Volcanism on Io as Seen by Galileo SSI, *Icarus*, 135, 181-219, 1998.

Pappalardo, R. T., J. W. Head, G. C. Collins, R. L. Kirk, G. Neukum, J. Oberst, B. Giese, R. Greeley, C. R. Chapman, P. Helfenstein, J. M. Moore, A. McEwen, B. R. Tufts, **D. A. Senske**, H. H. Breneman, and K. Klaasen, Grooved Terrain on Ganymede: First Results from Galileo High-Resolution Imaging, *Icarus*, 135, 276-302, 1998.

Vasavada, A. R., A. P. Ingersoll, D. Banfield, M. Bell, P. J. Gierasch, M. J. S. Belton, G. S. Orton, K. P. Klaasen, E. DeJong, H. H. Breneman, T. J. Jones, J. M. Kaufman, K. P. Magee, and **D. A. Senske**, Galileo Imaging of Jupiter's Atmosphere: The Great Red Spot, Equatorial Region, and White Ovals, *Icarus*, 135, 265-275, 1998.

1997

McEwen, A. S., D. P. Simonelli, **D. A. Senske**, K. P. Klaasen, L. Keszthelyi, T. V. Johnson, P. E. Geissler, M. H. Carr and M. J. S. Belton, High-Temperature Hot Spots on Io as seen by the Galileo Solid State Imaging (SSI) Experiment, *Geophys. Res. Lett.*, 1997.

Bender, K. C., **D. A. Senske**, and R. Greeley, Geologic Map of the Carson Quadrangle, Venus, USGS, 1997.

Tanaka, K. L., **D. A. Senske**, M. Price, and R. Kirk, Physiography, Geomorphic/Geologic Mapping and Stratigraphy of Venus, in press, *Venus II*, R. J. Phillips et al., eds., 1997.

Crumpler, L. S., J. C. Aubele, **D. A. Senske**, S. T. Keddie, K. P. Magee, and J. W. Head, Volcanoes and Centers of Volcanism on Venus, in press, *Venus II*, R. J. Phillips et al., eds., 1997.

1996

Belton, M.J.S., J. W. Head, A. P. Ingersoll, R. Greeley, A. S. McEwen, K. P. Klaasen, **D. Senske**, R. Pappalardo, G. Collins, A. R. Vasavada, R. Sullivan, D. Sionelli, P. Geissler, M. H. Carr, M. E. Davies, J. Veverka, P. J. Gierasch, D. Banfield, M. Bell, C. R. Chapman, C. Anger, R. Greenberg, G. Neukum, C. B. Pilcher, R. F. Beebe, J. A. Burns, F. Fanale, W. Ip, T. V. Johnson, D. Morrison, J. Moore, G. S. Orton, P. Thomas, R. A. West, Galileo's First Images of Jupiter and the Galilean Satellites, *Science*, 377-385, 274, 1996.

1995

Stofan, E. R., S. E. Smrekar, D. L. Bindschadler, and **D. A. Senske**, Large Topographic Rises on Venus: Implications for Mantle Upwelling, *Journal of Geophysical Research*, 100, 2317-2327, 1995.

Senske, D. A., Tectonism, in L. E. Roth and S. D. Wall ed., The Face of Venus The Magellan Radar Mapping Mission, NASA SP-520, 100-115, 1995.

1993

Senske, D. A. and E. R. Stofan, "Geologic Mapping on Venus", in J. P. Ford ed., *Guide to Magellan Image Interpretation*, JPL Publication 93-24, 135-140, 1993.

Stofan, E. R., **D. A. Senske**, and G. Michaels, "Tectonic Features" in J. P. Ford ed., *Guide to Magellan Image Interpretation*, JPL Publication 93-24, 93-108, 1993.

1992

Senske, D. A., G. G. Schaber, E. R. Stofan, Regional Topographic Rises on Venus: Geology of Western Eistla Regio and Comparison to Beta Regio and Atla Regio, *Journal of Geophysical Research*, 97, 13395-13420, 1992.

1991

Senske, D., D. Campbell, J. Head, P. Fisher, A. Hine, A. deCharon, S. Frank, S. Keddie, K. Roberts, E. Stofan, J. Aubele, L. Crumpler, and N. Stacy, Geology and Tectonics of the Themis Regio-Lavinia Planitia-Alpha Regio Area, Venus: Results from Arecibo Image Data, *Earth, Moon, and Planets*, 55, 97-161, 1991.

Senske, D. A., D. B. Campbell, E. R. Stofan, P. C. Fisher, J. W. Head, N. Stacy, J. C. Aubele, A. A. Hine, and J. K. Harmon, Geology and Tectonics of Beta Regio, Guinevere Planitia, Sedna Planitia, and Western Eistla Regio, Venus: Results From Arecibo Image Data, *Earth, Moon and Planets*, 55, 163-214, 1991.

Senske, D. A., J. W. Head, E. R. Stofan, and D. B. Campbell, Geology and Structure of Beta Regio, Venus: Results From Arecibo Radar Imaging, *Geophys. Research Letters*, 18, 1159-1162, 1991.

Campbell, D. B., **D. A. Senske**, J. W. Head, A. A. Hine, and P. C. Fisher, Venus Southern Hemisphere: Geologic Character and Age of Terrains in the Themis-Alpha-Lada Region, *Science*, 251, 180-183, 1991.

1990

Senske, D. A., Geology of the Venus Equatorial Region From Pioneer Venus Radar Imaging, *Earth, Moon, and Planets*, 50/51, 305-327, 1990.

Ford, P. G. and **D. A. Senske**, The Radar Scattering Characteristics of Venus Landforms, *Geophys. Res. Lett.*, 17, 1361-1364, 1990.

1989

Senske, D. A. and R. A. Stephen, A Seismic Reflection Survey of DSDP Sites 417 and 418, in Salisbury, M. H., Scott, J. H., et al., *Proceedings of the Ocean Drilling Program , Scientific Results*, 102: College Station, TX (Ocean Drilling Program), 3-17, 1989.

Sotin, C., **D. A. Senske**, J. W. Head, and E. M. Parmentier, Terrestrial Spreading Centers Under Venus Conditions: Application to Western Aphrodite Terra, *Earth and Planet. Sci. Lett.*, 95, 321-333, 1989.

Campbell, D. B., J. W. Head, A. A. Hine, J. K. Harmon, **D. A. Senske**, and P. C. Fisher, Styles of Volcanism on Venus: New Arecibo High Resolution Radar Data, *Science*, 246, 373-377, 1989.

ABSTRACTS:

2021

Leonard, E. J., **Senske, D. A.**, Patthoff, D. A., Mapping Europa at the Regional Scale: Insights from Conamara Chaos and Block Size-Frequency Distributions, 2021 Annual Meeting of Planetary Geologic Mappers, 2021LPICo2610.7022L, 2021.

Cutts, J., Baines, K., Beauchamp, P., Bower, C., Davis, A., Dorsky, L., Dyar, D., Fesq, L., Freeman, A., Ghail, R., Gilmore, M., Grimm, R., Gölcher, A., Head, J., Helbert, J., Jackson, J., De Jong, M., Hall, J., Izraelevitz, J., Krishnamoorthy, S., Matthies, L., Montesi, L., Pauken, M., **Senske, D.**, Sotin, C., Sutin, B., Wilson, C., Venus Corona and Tessera Explorer (VeCaTEx), Bulletin of the American Astronomical Society, Vol. 53, Issue 4, e-id. 375, 2021.

Pappalardo, R., Becker, T., Blaney, D., Blankenship, D., Burch, J., Christensen, P., Craft, K., Daubar, I., Gudipati, M., Hayes, A., Howell, S., Kempf, S., Kivelson, M., Klima, R., Korth, H., Mazarico, E., Paczkowski, B., Phillips, C., Rathbun, J., Ray, T., Rutherford, K., Richey, C., Roberts, J., Rymer, A., Schmidt, B., **Senske, D.**, Shock, E., Turtle, E., Westlake, J., The Europa Clipper Mission: Understanding Icy World Habitability and Blazing a Path for Future Exploration, Bulletin of the American Astronomical Society, Vol. 53, Issue 4, e-id. 255, 2021.

Cutts, J., Aslam, S., Atreya, S., Baines, K., Beauchamp, P., Bellan, J., Bowman, D., Bugga, K., Bullock, M., Byrne, P., Cheung, K-M., Dyar, D., Garcia, R., Grandier, J., Grimm, R., Grinspoon, D., De Jong, M., Hall, J., Izraelevitz, J., Jackson, J., Jessup, K., Komjathy, A., Krishnamoorthy, S., Lebonnois, S., McGouldrick, K., Mimoun, D., Mousis, O., Nock, K., O'Rourke, J., Pauken, M., Rabinovitch, J., Renard, J-B., Schubert, G., **Senske, D.**, Sotin, C., Thompson, T., Verdier, N., Vergados, P., Wilson, C., Young, E., Scientific Exploration of Venus with Aerial Platforms, Bulletin of the American Astronomical Society, Vol. 53, Issue 4, e-id. 194, 2021.

Howell, S. M., Leonard, E. J., Lovelace-Sims, K., Mills, A., **Senske, D. A.**, Patthoff, D. A., Fomenting Chaos: Formation on Europa Through Dry Porous Compaction, 52nd Lunar and Planetary Science Conference, LPI Contribution No. 2548, id.2423, 2021.

Leonard, E. J., Howell, S. M., Mills, A., **Senske, D. A.**, Patthoff, D. A., Pappalardo, R. T., Bringing Order to Chaos: Insights on the Formation of Chaos Terrain from Geologic Mapping of Europa at the Regional Scale, 52nd Lunar and Planetary Science Conference, LPI Contribution No. 2548, id.2269, 2021.

Mazarico, E., Buccino, D. R., Castillo-Rogez, J., Dombard, A., Genova, A., Hussmann, H., Kiefer, W. S., Lunine, J. I., McKinnon, W. B., Nimmo, F., Park, R. S., Tortora, P., Withers, P., Roberts, J. H., Korth, H., **Senske, D. A.**, Pappalardo, R. T., The Europa Clipper Gravity/Radio Science Investigation, 52nd Lunar and Planetary Science Conference, LPI Contribution No. 2548, id.1784, 2021.

Senske, D. A., Leonard, E. J., Patthoff, D. A., Mapping Europa at the Regional Scale: Insights from Conamara Chaos and Surrounding Regions, 2nd Lunar and Planetary Science Conference, LPI Contribution No. 2548, id.1266, 2021.

2020

Leonard, E. J., Hayne, P. O., Paige, D. A., Trumbo, S. K., Keane, J. T., **Senske, D.**, Pappalardo, R. T., Antipodal Deposits on Europa from the Pwyll Impact?, American Geophysical Union, Fall Meeting 2020, abstract #P031-07. 2020.

Byrne, P. K., Ghail, R., Gilmore, M. S., Sengor, A. M. C., Klimczak, C., **Senske, D.**, Whitten, J. L., Khawja, S., Ernst, R. E., Solomon, S. C., Tesserae on Venus Feature Layered, Folded, and Eroded Rocks, American Geophysical Union, Fall Meeting 2020, abstract #P029-03, 2020.

Leonard, E. J., Patthoff, D. A., **Senske, D.**, Regional Geologic Mapping of Europa: Insights on Chaos Terrains and Relationship to the Global Units, American Geophysical Union, Fall Meeting 2020, abstract #P025-0008, 2020.

Cutts, J., Baines, K., Beauchamp, P., Bower, C., Dais, A., Dorsky, L., Dyar, D., Fesq, L., Freeman, A., Ghail, R., Gilmore, M., Grimm, R., Gölcher, A., Head, J., Helbert, J., Jackson, J., De Jong, M., Hall, J., Izraelevitz, J., Krishnamoorthy, S., Matthies, L., Montesi, L., Pauken, M., **Senske, D.**, Sotin, C., Sutin, B., Wilson, C., Venus

Corona and Tessera Explore (VeCaTEX) Mission Concept: Investigatin the Surface of Venus from Beneath the Clouds, 18th Meeting of the Venus Exploration Analysis Group (VEXAG), LPI Contribution No. 2356, id.8031, 2020.

Phillips, C., Howell, S., Pappalardo, R., **Senske, D.**, Korth, H., Kampmeier, J., Craft, K., Klima, R., Leonard, E., Europa Clipper: Mission Status and Update, 14th Europlanet Science Congress 2020, Online at <https://www.epsc2020.eu/>, id. EPSC2020-498, 2020.

Leonard, E. J., **Senske, D. A.**, Patthoff, D. A., Geologic Mapping of Europa at the Regional Scale, 2020 Annual Meeting of Planetary Geologic Mappers, LPI Contribution No. 2357, id.7030, 2020.

Byrne, P. K., Ghail, R. C., Gilmore, M. S., Şengör, A. M. C., Klimczak, C., Solomon, S. C., **Senske, D. A.**, Whitten, J. L., Khawja, S., Ernst, R. E., Some Venus Tesserae Feature Layered, Folded, and Eroded Rocks, 51st Lunar and Planetary Science Conference, LPI Contribution No. 2326, 2020, id.2514, 2020.

Leonard, E. J., **Senske, D. A.**, Patthoff, D. A., Mapping Europa at the Regional Scale: Insights on the Resurfacing History of Conamara Chaos and Moytura Regio, 51st Lunar and Planetary Science Conference, LPI Contribution No. 2326, 2020, id.2308, 2020.

Roberts, J. H., Rymer, A. M., Cable, M. L., Nimmo, F., Paty, C. S., Bland, M. T., Elder, C. M., Korth, H., McCord, T. B., McKinnon, W. B., Pappalardo, R. T., Raymond, C. A., Roth, L., Saur, J., Schroeder, D. M., Steinbrugge, G., Soderlund, K. M., Tobie, G., Vance, S. D., Young, D. A., **Senske, D. A.**, Integrated Europa Interior Science with Europa Clipper, 51st Lunar and Planetary Science Conference, LPI Contribution No. 2326, 2020, id.2281, 2020.

2019

Leonard, E. J., **Senske, D.**, Patthoff, D. A., Mapping Europa at the Regional Scale: Comparing Chaos Morphologies in Moytura Regio and Conamara Chaos, American Geophysical Union, Fall Meeting 2019, abstract #P53D-3496, 2019.

Pappalardo, R. T., **Senske, D.**, Korth, H., Becker, T. M., Blaney, D. L., Blankenship, D. D., Christensen, P. R., Gudipati, M. S., Hayes, A., Kempf, S., Kivelson, M., Paty, C. S., Rathbun, J., Rutherford, K. D., Roberts, J. H., Rymer, A. M., Schmidt, B. E., Shock, E., Turtle, E. P., Waite, J. H., Jr. , Westlake, J. H., The Europa Clipper: Science and Mission, American Geophysical Union, Fall Meeting 2019, abstract #P53B-06. 2019.

Senske, D., Pappalardo, R., Korth, H., Blaney, D., Blankenship, D., Christensen, P., Rutherford, K., Turtle, E., Craft, K., Science of the Europa Clipper Mission: Comprehensive Remote Sensing to Investigate the Ice Shell, EPSC-DPS Joint Meeting 2019, id. EPSC-DPS2019-731, 2019.

Korth, H., Pappalardo, R., **Senske, D.**, Kempf, S., Kivelson, M., Rutherford, K., Waite, H., Investigations of Moon-Magnetosphere Interactions by the Europa Clipper Mission, EPSC-DPS Joint Meeting 2019, id. EPSC-DPS2019-366, 2019.

Leonard, E., **Senske, D.**, Patthoff, A., Global and Regional scale Geologic Mapping of Europa, EPSC-DPS Joint Meeting 2019, id. EPSC-DPS2019-57, 2019.

Leonard, E. J., Patthoff, D. A., **Senske, D. A.**, Geologic Mapping of Europa at Global and Regional Scales, 2019 Annual Meeting of Planetary Geologic Mappers, LPI Contribution No. 2154, id.7032, 2019.

Richey, C. R., Pappalardo, R. T., **Senske, D. A.**, Korth, H., Kilma, R., Phillips, C. B., Craft, K., Europa Clipper Team, "One Team:" The Dynamics and Structure of the Europa Clipper Science Team, 50th Lunar and Planetary Science Conference, LPI Contribution No. 2132, id.2022, 2019.

Senske, D. A., Leonard, E. J., Patthoff, D. A., Geologic Mapping of Europa at Global and Regional Scales: Providing Comprehensive Insight into Crustal History and Evolution, 50th Lunar and Planetary Science Conference, LPI Contribution No. 2132, id.1615, 2019.

2018

Richey, C., Pappalardo, R. T., **Senske, D.**, Korth, H., Craft, K., Klima, R. L., Phillips, C. B., The Europa Clipper Mission: Science Objectives and Mission Status Update, American Geophysical Union, Fall Meeting 2018, abstract #P53F-3018, 2018.

Senske, D., Leonard, E. J., Patthoff, D. A., Gaining Insight into Surface Geologic Processes on Europa through Geologic mapping at Global and Regional Scales, American Geophysical Union, Fall Meeting 2018, abstract #P21E-3397, 2018.

Richey, C., Pappalardo, R., **Senske, D. A.**, Korth, H., Craft, K. L., Klima, R. L., Phillips, C., Europa Clipper Science Team, The Europa Clipper Mission: Science Objectives, Working Group Structure, and Mission Status Update, American Astronomical Society, DPS meeting #50, id.415.01, 2018.

Korth, H., Pappalardo, R., **Senske, D.**, Klima, R., Richey, C., Craft, K., Exploring Europa's Habitability: The Europa Clipper on the Path to Critical Design, European Planetary Science Congress 2018, id.EPSC2018-539, 2018.

Leonard, E., Collins, G., **Senske, D.**, Patthoff, D. A., The Global Geology of Europa: Units, their Distribution, and Implications for Formation Processes, 42nd COSPAR Scientific Assembly, Abstract id. B5.3-14-18., 2018.

Korth, H., Pappalardo, R., **Senske, D.**, Addressing the Habitability of Europa with the Europa Clipper Mission, 42nd COSPAR Scientific Assembly, Abstract id. B5.3-32-18., 2018.

Leonard, E. J., Patthoff, D. A., **Senske, D. A.**, Collins, G. C., The Europa Global Geologic Map, Planetary Geologic Mappers Annual Meeting, LPI Contribution No. 2066, id.7008, 2018.

Collins, G. C., Rathbun, J. A., Spencer, J. R., Craft, K., Pappalardo, R. T., **Senske, D. A.**, Korth, H., Buffington, B., Prockter, L. M., Klima, R. L., Phillips, C. B., Patterson, G. W., Quick, L. C., Ernst, C. M., Soderblom, J. M., Turtle, E. P. ; McEwen, A. S. ; Moore, J. M. ; Young, D. A. ; Hibbitts, C. A. Davies, A. G. ; Murchie, S. L. ; Schmidt, B. E., Daubar, I. J., The Breadth and Depth of Europa Geology: Plans for Observing Diverse Landforms with Europa Clipper, 49th Lunar and Planetary Science Conference, LPI Contribution No. 2083, id.2625, 2018.

Senske, D. A., Leonard, E. J., Patthoff, D. A., Collins, G. C., The Europa Global Geologic Map, 49th Lunar and Planetary Science Conference, LPI Contribution No. 2083, id.1340, 2018.

Senske, D., Zasova, L., Burdanov, A., Economou, T., Eismont, N., Gerasimov, M., Gorinov, D., Hall, J., Ignatiev, N., Ivanov, M., Lea Jessup, K., Khatuntsev, I., Koralev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, M., Ocampo, A., Teselkin, S., Vaisberg, O., Vorontsov, V., Development of the Venera-D Mission Concept, from Science Objectives to Mission Architecture, 49th Lunar and Planetary Science Conference, LPI Contribution No. 2083, id.1243, 2018.

2017

Pappalardo, R. T., **Senske, D.**, Korth, H., Blaney, D. L., Blankenship, D. D., Collins, G. C., Christensen, P. R., Gudipati, M. S., Kempf, S., Lunine, J. I., Paty, C. S., Raymond, C. A., Rathbun, J., Rutherford, K. D. , Roberts, J. H., Schmidt, B. E., Soderblom, J. M., Turtle, E. P., Waite, J. H., Jr., Westlake, J. H., Exploring Ocean-World Habitability within the Planned Europa Clipper Mission, American Geophysical Union, Fall Meeting 2017, abstract #P53H-08, 2017.

Leonard, E. J., Patthoff, D. A., **Senske, D.**, Collins, G. C., The First USGS Global Geologic Map of Europa, American Geophysical Union, Fall Meeting 2017, abstract #P33A-2862, 2017.

Senske, D., Zasova, L., Economou, T., Eismont, N., Gerasimov, M., Gorinov, D., Hall, J., Ignatiev, N., Ivanov, M., Lea Jessup, K., Khatuntsev, I., Koralev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, A., Ocampo, A., Vaisberg, O., Burdanov, A., Teselkin, S., Vorontsov, V., The Venera-D Mission Concept, Report on the Activities of the Joint Science Definition Team, 15th Meeting of the Venus Exploration and Analysis Group (VEXAG), LPI Contribution No. 2061, p.8014, 2017.

Pappalardo, R. T., **Senske, D. A.**, Korth, H., Klima, R., Vance, S. D., Craft, K., Phillips, C. B., Europa Science Team, The Planned Europa Clipper Mission and its Role in Investigating Ice Shell Exchange Processes, Europa Deep Dive 1: Ice-Shell Exchange Processes, Proceedings of the conference, Contribution No. 2048, 2017, id.7003, 2017.

Leonard, E., Patthoff, D. A., **Senske, D. A.**, Collins, G., A Global Geologic Map of Europa, American Astronomical Society, DPS meeting #49, id.220.03, 2017.

Pappalardo, R. T., **Senske, D. A.**, Korth, H., Blaney, D. L., Blankenship, D. D., Christensen, P. R., Kempf, S., Raymond, C. A., Retherford, K. D., Turtle, E. P., Waite, J. H., Westlake, J. H., Collins, G., Gudipati, M., Lunine, J. I., Paty, C., Rathbun, J. A., Roberts, J. E., Schmidt, B., Soderblom, J. M., Europa Clipper Science Team, The Planned Europa Clipper Mission: Exploring Europa to Investigate its Habitability, American Astronomical Society, DPS meeting #49, id.214.09, 2017.

Pappalardo, R. T., **Senske, D. A.**, Korth, H., Klima, R., Vance, S. D., Craft, K., The Europa Clipper Mission: Exploring The Habitability Of A Unique Icy World, European Planetary Science Congress 2017, id. EPSC2017-304, 2017.

Zasova, L., **Senske, D.**, Economou, T., Eismont, N., Esposito, L., Gerasimov, M., Gorinov, D., Ignatiev, N., Ivanov, M., Jessup, K., Lea, Khatuntsev, I., Korablev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, A., Ocampo, A., Vaisberg, O., Burdanov, A., Joint IKI/ROSCOSMOS - NASA Science Definition Team and concept mission to Venus based on Venera-D, European Planetary Science Congress 2017, id. EPSC2017-296, 2017.

Leonard, E. J., Patthoff, D. A., **Senske, D. A.**, Collins, G. C., Bunte, M. K., Doggett, T., Updating the Global Geologic Map of Europa, Third Planetary Data Workshop and The Planetary Geologic Mappers Annual Meeting, LPI Contribution No. 1986, id.7025, 2017.

Zasova, L., **Senske, D.**, Economou, T., Eismont, N., Esposito, L., Gerasimov, M., Ignatiev, N., Ivanov, M., Lea, Jessup, K., Khatuntsev, I., Korablev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, A., Ocampo, O., Venera-D — Mission for the Comprehensive Study of the Atmosphere, Surface and Plasma Environment of Venus, Venus Modeling Workshop, LPI Contribution No. 2022, id.8019, 2017.

Pappalardo, R. T., **Senske, D. A.**, Korth, H., Blankenship, D., Blaney, D., Christensen, P., Kempf, S., Raymond, C., Retherford, K., Turtle, E. P., Waite, J. H., Westlake, J., Collins, G. C., Hand, K., Lunine, J., McGrath, M., Nimmo, F., Paty, C., Soderblom, J., Spencer, J. R., Paranicas, C., Solomon, S., Europa Science Team, The Europa Multiple-Flyby Mission: Synergistic Science to Investigate Habitability, 48th Lunar and Planetary Science Conference, LPI Contribution No. 1964, id.2732, 2017.

Leonard, E. J., Patthoff, D. A., **Senske, D. A.**, Collins, G. C., Bunte, M. K., Doggett, T., Updating the Global Geologic Map of Europa, 48th Lunar and Planetary Science Conference, LPI Contribution No. 1964, id.2357, 2017.

Senske, D., Zasova, L., Economou, T., Eismont, N., Esposito, L., Gerasimov, M., Ignatiev, N., Ivanov, M., Lea, Jessup, K., Khatuntsev, I., Korablev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, M., Ocampo, A., Venera-D, A Mission Concept for the Comprehensive Scientific Exploration of Venus, 48th Lunar and Planetary Science Conference, LPI Contribution No. 1964, id.1155, 2017.

Senske, D., Zasova, L., Economou, T., Eismont, N., Esposito, L., Gerasimov, M., Ignatiev, N., Ivanov, M., Lea, Jessup, K., Khatuntsev, I., Korablev, O., Kremic, T., Limaye, S., Lomakin, I., Martynov, M., Ocampo, A., The Venera-D Concept, Scientific Exploration of Venus in the Post-2025 Time Frame, Planetary Science Vision 2050 Workshop, LPI Contribution No. 1989, id.8027, 2017.

2016

Senske, D., Zasova, L. V., Economou, T., Eismont, N., Esposito, L. W., Gerasimov, M., Ignatiev, N. I., Ivanov, M., Jessup, K. L., Korablev, O., Tibor, K., Limaye, S. S., Martynov, A., Ocampo, A., The Venera-D Mission Concept: Evaluation by a Joint Science Definition Team of a Means for the Comprehensive Scientific Exploration of Venus, American Geophysical Union, Fall General Assembly 2016, abstract id.P41B-2069, 2016.

Pappalardo, R. T., **Senske, D. A.**, Prockter, L., Hand, K. P., Goldstein, B., Europa Science Team, American Astronomical Society, DPS meeting #48, id.123.26, 2016.

Zurek, R., Diniega, S., Crisp, J., Fraeman, A., Golombek, M., Jakosky, B., Plaut, J., **Senske, D. A.**, Tamppari, L., Thompson, T. W., Vasavada, A. R., Ongoing Mars Missions: Extended Mission Plans, American Astronomical Society, DPS meeting #48, id.123.12, 2016.

Pappalardo, R. T., Prockter, L. M., **Senske, D. A.**, Klima, R., Fenton-Vance, S., Craft, K., Science Objectives and Capabilities of the NASA Europa Mission, 47th Lunar and Planetary Science Conference, LPI Contribution No. 1903, p.3058, 2016.

Senske, D. A., The Regional Geology of Conamara Chaos, Europa, 47th Lunar and Planetary Science Conference, LPI Contribution No. 1903, p.1365, 2016.

2015

Senske, D. A., Ford, P., The South Pole of Venus: Geology at 90 Degrees South, 46th LPSC, LPI Contribution No. 1832, p.1432.

Senske, D., L. Prockter, R. Pappalardo, B. Paczkowski, S. Vance, B. Goldstein, T. Magner and B. Cooke, Exploring the Potential Habitability of Europa: Science Objectives for the Europa Clipper Mission Concept, Abscicon, 2015.

Senske, D., The Regional Geology of Conamara Chaos: Stratigraphic Relations and Implications for Future Exploration, AGU, 2015

Pappalardo, R. T., **Senske, D.**, Prockter, L., Paczkowski, B., Vance, S., Rhoden, A., Goldstein, B., Magner, T., Cooke, B., Science Objectives for the Europa Clipper Mission Concept: Investigating the Potential Habitability of Europa, EPSC, id.EPSC2015-156, 2015.

Pappalardo, R., **Senske, D.**, Prockter, L., Paczkowski, B., Vance, S., Goldstein, B., Magner, T., Cooke, B., Science and Reconnaissance from the Europa Clipper Mission Concept: Exploring Europa's Habitability, EGU, id.8155, 2015.

Pappalardo, R. T.; **Senske, D. A.**, Prockter, L. M., Paczkowski, B., Vance, S., Goldstein, B.; Magner, T., Cooke, B., Science and Reconnaissance from the Europa Clipper Mission Concept: Exploring Europa's Habitability, 46th LPSC, LPI Contribution No. 1832, p.2673, 2015.

2014

Senske, D. A., R. T. Pappalardo, L. M. Prockter, B. Paczkowski, S. Vance, B. Goldstein, T. Magner, B. Cooke, and B. Buffington, Science and Reconnaissance from the Europa Clipper Mission Concept: Exploring Europa's Habitability, AGU, abstract #P43B-3976, 2014.

Senske, D., L. Prockter, R. Pappalardo, B. Paczkowski, S. Vance, B. Goldstein, T. Magner, and B. Cooke, Exploring Europa with the Europa Clipper, Instruments for Planetary Missions, 2014.

Senske D. A., R. T. Pappalardo, L. Prockter, S. Vance, W. Patterson, and the Europa Study Team, Investigating Icy World Habitability Through the Europa Clipper Mission Concept, Icy Worlds Habitability Workshop, 2014.

Cutts, J. A., Nunes, D. C., Mitchell, K. L., **Senske, D. A.**, Pauken, M. T., Matthies, L. H., Tokamaru, P., Exploration Targets for a Mission Concept with Multiple Venus Gliders, Workshop on Venus Exploration Targets, LPI Contribution No. 1781, id.6018, 2014.

Pappalardo, R., Goldstein, B., Magner, T., Prockter, L., **Senske, D.**, Paczkowski, B., Cooke, B., Vance, S., Patterson, W. G., Craft, K., The Europa Clipper Mission Concept, EGU, id.7656, 2014.

Pappalardo, R., Prockter, L., **Senske, D.**, Paczkowski, B., Vance, S., Patterson, G. W., Goldstein, B., Magner, T., Cooke, B., Science and Reconnaissance from the Europa Clipper Mission Concept, 45th LPSC, LPI Contribution No. 1777, p.1655.

2013

Senske, D., Ford, P. G., Ninety Degrees South! Geology of the South Pole of Venus, AGU, abstract #P41D-1959, 2013.

Senske, D., Prockter, L., Pappalardo, R., Mellon, M., Patterson, W., Vance, S., Cooke, B., Europa Study Team, Science that can be Achieved from The Europa Clipper Mission Concept: A Means to Explore Europa and Investigate its Habitability, 44th LPSC, LPI Contribution No. 1719, p.1600, 2013.

Senske, D., L. Prockter, R. Pappalardo, M. Mellon, W. Patterson, S. Vance, B. Cooke, and the Europa Study Team, Science from the Europa Clipper Mission Concept: Exploring the Habitability of Europa, Ganymede Lander: Scientific goals and Experiments Workshop, 2013.

Prockter, L. M., Pappalardo, R. T., **Senske, D.**, Vance, S., Patterson, G., Paczkowski, B., Goldstein, B., Magner, T. J., Cooke, B., Science and Reconnaissance from the Europa Clipper Mission, AGU, abstract #P53A-1841, 2013.

Pappalardo, Robert T., **Senske, D.**, Prockter, L., Paczkowski, B., Vance, S., Patterson, W., Goldstein, B., Magner, T., Cooke, B., Europa Study Team, Science of the Europa Clipper Mission Concept, DPS meeting #45, id.418.07, 2013.

Pappalardo, R. T., **Senske, D.**, Prockter, L., Vance, S., Patterson, G. W., Goldstein, B., Magner, T., Cooke, B., Adams, E., Garner, G.; Buffington, B., Science from the Europa Clipper Mission Concept: Exploring the Habitability of Europa, EPSC, id.EPSC2013-886, 2013.

Bunte, M. K., Greeley, R., Doggett, T., Figueiredo, P., Tanaka, K., **Senske, D.**, Finalization of the Global Geologic Map of Europa, 44th LPSC, LPI Contribution No. 1719, p.2978, 2013.

2012

Senske, D. A., Prockter, L. M., Pappalardo, R. T., Patterson, G. W., Vance, S., Exploring Europa's Habitability: Science achieved from the Europa Orbiter and Clipper Mission Concepts, AGU, abstract #P51A-2018, 2012.

Senske, D. A., Prockter, L., Pappalardo, R., Patterson, W., Vance, S., Europa Science Definition and Technical Teams, The Europa Clipper and Orbiter Mission Concepts: Innovative Approaches for Exploring Europa's Habitability, DPS meeting #44, id.215.05, 2012.

Patterson, G. W.; Pappalardo, R. T., Prockter, L. M.; **Senske, D. A.**; Vance, S. D., Europa Clipper: A Multiple Flyby Mission Concept to Explore Europa's Habitability, EPSC, id. EPSC2012-726, 2012.

Pappalardo, R. T.; Bagenal, F.; Barr, A. C.; Bills, B. G.; Blaney, D. L.; Blankenship, D. D.; Brinckerhoff, W.; Connerney, J. E. P.; Hand, K.; Hoehler, T.; and 18 coauthors, Mission Concepts for Exploring Europa's Habitability, 43rd LPSC, LPI Contribution No. 1659, id.1714.

2011

Pappalardo, R. T.; Bagenal, F.; Barr, A. C.; Bills, B. G.; Blaney, D. L.; Blankenship, D. D.; Connerney, J. E.; Kurth, W. S.; McGrath, M. A.; Moore, J. M.; Prockter, L. M., **Senske, D. A.**, Smith, D. E., Garner, G. J., Magner, T. J., Cooke, B.C., Mallder, V., Crum. R., A Pragmatic Path to Investigating Europa's Habitability, AGU, abstract #P21C-1684, 2011.

Pappalardo, R. T., Bagenal, F., Barr, A. C., Bills, B. G., Blaney, D. L., Blankenship, D. D., Connerney, J. E. P., Kurth, W., McGrath, M., Moore, J. M., Prockter, L. M., **Senske, D. A.**, Smith, D. E., Garner, G. J., Magner, T. J., Hibbard, K. E., Cooke, B.C., A Pragmatic Path to Investigating Europa's Habitability, EPSC-DPS, p.627, 2011.

Gilmore, M. S., Resor, P. G., Ghent, R., **Senske, D. A.**, Herrick, R. R., Constraints on Tessera Composition from Modeling of Tellus Regio, Venus, 42nd LPSC, LPI Contribution No. 1608, p.2053. 2011.

2010

Senske, D. A., Pappalardo, R. T., Prockter, L. M., Lebreton, J., Greeley, R., Bunce, E. J., Dougherty, M. K., Grasset, O., Titov, D., The Europa Jupiter System Mission: Synergistic Science Enabled by JEO and JGO, AGU, abstract #P54B-01, 2010.

Senske, D. A., Tessera Terrain on Venus: Comparing Phoebe Regio and Tellus Tessera, 41st LPSC, LPI Contribution No. 1533, p.1256, 2010.

Senske, D., R. Pappalardo, L. Prockter, J-P. Lebreton, R. Greeley, E. Bunce, A. Coustenis, M. Dougherty, O. Grasset, The Europa Jupiter System Mission: Investigating the Emergence of Habitable Worlds around Gas Giants, Moscow Solar System Symposium, 2010.

Prockter, L., **Senske, D.**, Pappalardo, R., Lebreton, J.-P., Greeley, R., Bunce, E., Dougherty, M., Grasset, O., Coustenis, A., Galilean satellite geology: Outstanding questions, EPSC, p.826, 2010.

Senske, D., Pappalardo, R., Prockter, L., Lebreton, J.-P., Greeley, R., Bunce, E., Clark, K., Dougherty, M., Erd, C., Grasset, O., Europa Jupiter System Jovian Tour Science, EPSC, p.111, 2010.

Gilmore, M. S., Resor, P. G., Ghent, R., **Senske, D. A.**, Herrick, R. R., Mapping and Modeling of a Tessera Collision Zone, Tellus Regio, Venus, 41st LPSC, LPI Contribution No. 1533, p.1769, 2010.

2009

Senske, D. A., Plaut, J. J., Geologic Evidence for a Thick Volcanic Crust in Part of Tellus Tessera, Venus, 40th LPSC, id.1707, 2009.

Senske, D. A., Europa Geology from Global to Local Scales and Implications for Future Exploration, AGU, abstract #P51E-1167, 2009.

Senske, D., Pappalardo, R. T., Prockter, L., Greeley, R., Clark, K., Boldt, J., The Planning Payload for the EJSM Jupiter Europa Orbiter, EPSC, p.306, 2009.

Lebreton, J., Pappalardo, R. T., Blanc, M., Bunce, E. J., Dougherty, M. K., Erd, C., Grasset, O., Greeley, R., Johnson, T. V., Clark, K. B., Prockter, L. M., **Senske, D. A.**, The Joint ESA-NASA Europa Jupiter System Mission (EJSM), AGU, abstract #P51E-1178, 2009.

Grasset, O., Pappalardo, R., Greeley, R., Blanc, M., Dougherty, M., Bunce, E., Lebreton, J., Prockter, L., **Senske, D.**, EJSM Joint Science Defintion Team, Europa Jupiter System Mission (EJSM): Exploration Of The Jovian System And Its Icy Satellites, DPS meeting #41, id.16.14, 2009.

Moore, J. M., Collins, G. C., Bierhaus, E. B., Bland, M. T., Bray, V. J., Cooper, J. F., Crary, F., Dombard, A. J., Grasset, O., Hansen, G. B., Hibbits, C. A., Hurford, T. A., Hussmann, H., Khurana, K. K., Kirchoff, M. R., Pappalardo, R. T., Patterson, G. W., Prockter, L. M., Roberts, J. H., Schenk, P. M., **Senske, D. A.**, Showman, A. P., Stephan, K., Tosi, F., Wagner, R. J., Ganymede Science Questions and Future Exploration, DPS meeting #41, id.16.12, 2009.

Bullock, M. A., **Senske, D. A.**, Balint, T. S., Benz, A., Campbell, B. A., Chassefiere, E., Colaprete, A., Cutts, J. A., Glaze, L., Gorevan, S., and 20 coauthors, A Venus Flagship Mission: Report of the Venus Science and Technology Definition Team, 40th LPSC, id.2410, 2009.

2008

Senske, D., Bullock, M., Balint, T., Benz, A., Campbell, B., Chassefiere, E., Colaprete, A., Cutts, J., Glaze, L., Gorevan, S., and 20 coauthors, A Venus Flagship Mission: Exploring a World of Contrasts, AGU, abstract #P22A-08, 2008.

Senske, D. A., Prockter, L. M., Kwok, J., JSO Science Definition; Technical Teams, The Jupiter System Observer: A Mission to Probe the Foundations of Planetary Systems, 39th LPSC, LPI Contribution No. 1391., p.1113, 2008.

Senske, D. A., Geology of the Juno Chasma Quadrangle, Venus: Assessment of the Relation Between Rifting and

Volcanism, 39th LPSC, LPI Contribution No. 1391., p.1106., 2008.

Bullock, M. A., **Senske, D. A.**, Balint, T. S., Campbell, B. A., Chassefiere, E., Colaprete, A., Cutts, J. A., Glaze, L., Gorevan, S., Grinspoon, D. H., and 19 coauthors, NASA's Venus Science and Technology Definition Team: A Flagship Mission to Venus, DPS, Vol. 40, p.452, 2008.

Cooper, John F., Kauristie, K., Weatherwax, A. T., Sheehan, G. W., Smith, R. W., Sandahl, I., Østgaard, N., Chernouss, S., Moore, M. H., Petricolas, L. M., **Senske, D. A.**, and 3 coauthors, Polar Gateways Arctic Circle Sunrise Conference 2008, Barrow, Alaska: IHY-IPY Outreach on Exploration of Polar and Icy Worlds in The Solar System, DPS, Vol. 40, p.420, 2008.

2007

Spilker, T. R., **Senske, D. A.**, Prockter, L., Kwok, J. H., Tan-Wang, G. H., JSO SDT, The Jupiter System Observer Mission Concept: Scientific Investigation of the Jovian System, AGU, abstract #P21B-0532, 2007.

Senske, D., Prockter, L., Collins, G., Cooper, J., Hendrix, A., Hibbitts, K., Kivelson, M., Orton, G., Schubert, G., Showman, A., and 5 coauthors, The Jupiter System Observer: Probing the Foundations of Planetary Systems, AGU, abstract #P21B-0531, 2007.

Spilker, T. R., **Senske, D. A.**, Prockter, L., Kwok, J. H., Tan-Wang, G. H., JSO SDT, Scientific Investigation of the Jovian System: the Jupiter System Observer Mission Concept, DPS, Vol. 39, p.466, 2007.

Prockter, L., **Senske, D.**, Collins, G. C., Cooper, J. F., Hendrix, A., Hibbitts, C., Kivelson, M., Schubert, G., Showman, A., Turtle, E., Williams, D., The Jupiter System Observer: Exploring the Origins of Planetary Systems, DPS, Vol. 39, p.465, 2007.

Doggett, T., Figueredo, P., Greeley, R., Hare, T., Kolb, E., Mullins, K., **Senske, D.**, Tanaka, K., Weiser, S., Global Geologic Map of Europa, 38th LPSC, LPI Contribution No. 1338, p.2296, 2007.

2006

Senske, D. A. and Plaut, J. J., The Mars Odyssey Mission, Two Mars Years of Observations, LPSC XXXVII, Abs. 1452, 2006.

Senske, D. A. and Plaut, J. J., Results from the 2001 Mars Odyssey Mission: Two Mars years of observations, COSPAR, 3683, 2006.

2004

Senske, D., Greeley, R., Figueredo, P., Tanaka, K., Hare, T., Kolb, E., Correlation of Regional and Global Scale Geology on Europa, AGU, abs. P31A-0963, 2004.

Senske, D. A. and Plaut, J. J., The 2001 Odyssey Science Mission: Providing a new View of Mars, AGU, abs. U43A-05, 2004.

Figueredo, P. H., Hare, T., Ricq, E., Strom, K., Greeley, R., Tanaka, K., **Senske, D.**, Europa's Northern Trailing Hemisphere: Lineament Stratigraphic Framework, LPSC XXXV, abs. 1118, 2004.

2000

Tamppari, L. K., **Senske, D. A.**, Johnson, T. V., Oberto, R., Zimmerman, W., JPL's Team-X Team, Science Objectives and Mission Concepts for Europa Exploration, Bulletin of the American Astronomical Society, Vol. 32, p.1040, 2000.

Senske, D. A., Plaut, J. J., The Tellus Region of Venus: Processes in the Formation and Modification of Tessera Terrain, LPSC XXXI, abs. 1496, 2000.

1999

Senske, D. A., Geology of the Phoebe Regio Quadrangle (V-41), Venus, Lunar and Planetary Science Conference XXX, 1671, 1999.

Senske, D. A., Geology of the Tellus Tessera Quadrangle (V-10), Venus, Lunar and Planetary Science Conference XXX, 1668, 1999.

Campbell, B. A., R. Greeley, E. R. Stofan, M. H. Acuna, A. Chutjian, D. Crisp, J. Cutts, B. Fegley, J. Guest, J. W. Head, K. Klaasen, J. P. Mustard, and **D. Senske**, The VEVA Mission: Exploration of Venus Volcanoes and Atmosphere, Lunar and Planetary Science Conference XXX, 1667, 1999.

J.M. Moore, E. Asphaug, D. Morrison, R.J. Sullivan, B. Bierhaus, C.R. Chapman, R. Greeley, J.E. Klemaszewski, S. Kadel, F. Chuang, J. Moreau, K.K. Williams, E.P. Turtle, C.B. Phillips, P.E. Geissler, A.S. McEwen, J.W. Head, R.T. Pappalardo, G.C. Collins, B. Giese, R. Wagner, G. Neukum, K.P. Klaasen, H.H. Breneman, K.P. Magee, **D.A. Senske**, J. Granahan, M.J.S. Belton, P.M. Schenk , and the Galileo SSI Team, Impact Features on Europa: Results of the Galileo Europa Mission (GEM), Lunar and Planetary Science Conference XXX, 1485, 1999.

1998

Senske, D. A., Geology of the Tellus and Phoebe Regions, Venus: Unit Identification and Examination of the Relation between Plains and Tessera", LPSC XXIX, 1743-1744, 1998.

Senske, D. A., R. Greeley, J. Head, R. Pappalardo, R. Sullivan, M. Carr, P. Geissler, J. Moore, and the Galileo SSI Team, Geologic Mapping of Europa, Unit Identification and Stratigraphy at Global and Local Scales, LPSC XXIX, 1745-1746, 1998.

Prockter, L. M., R. T. Pappalardo, G. C. Collins, J. W. Head, R. Greeley, M. H. Carr, M. J. S. Belton, and **D. A. Senske**, and the Galileo SSI Team, Galileo Very High Resolution Imaging of Conamara Chaos, Europa, LPSC XXIX, 1964-1965, 1998.

Prockter, L. M., **D. Senske**, J. W. Head, R. T. Pappalardo, G. C. Collins, R. Greeley, and the Galileo SSI Team, Furrow Systems on Ganymede: Morphology, Evolution and Distribution, LPSC XXIX, 1862-1863, 1998.

1997

Senske, D. A., J. W. Head, R. Pappalardo, G. Collins, R. Greeley, K. Magee, G. Neukum, C. Chapman, and the Galileo Imaging Team, Stratigraphy of Uruk Sulcus as Revealed by High-Resolution Galileo Images, LPSC XXVII, 1277-1278, 1997.

Prockter, L., J. W. Head, **D. Senske**, G. Neukum, R. Wagner, U. Wolf, R. Greeley, and the Galileo Imaging Team, Galileo Observations of Dark Terrain on Ganymede: Geological Mapping of the Galileo Regio Target Site, LPSC XXVII, 1145-1146, 1997.

Greeley, R., R. Sullivan, K. C. Bender, M. J. S. Belton, M. Carr, C. Chapman, B.E. Clark, S. A. Fagents, P. E. Geissler, J. W. Head, K. S. Homan, T. Johnson, K. Klaasen, J. Klemaszewski, A. S. McEwen, J. M. Moore, G. Neukum, R. T. Pappalardo, C. B. Phillips, C. Pilcher, **D. Senske**, P. C. Thomas, and the SSI Team, Geology of Europa: Initial Galileo Imaging Results, LPSC XXVII, 453-454, 1997.

Head, J. W., R. T. Pappalardo, M. J. S. Belton, M. Carr, C. Chapman, R. Greeley, R. Greenberg, A McEwen, G. Neukum, C. Pilcher, J. Veverka, T. Johnson, K. Klaasen, **D. Senske**, H. Breneman and the Galileo Solid State Imaging Team, Ganymede: Major Geologic Questions and First Results From the Galileo G1 and G2 Encounters, LPSC XXVII, 533-534, 1997.

McEwen, A., L. Keszthelyi, D. Simonelli, J. Veverka, T. Johnson, K. Klaasen, **D. Senske**, H. Breneman, T. Jones, J. Kaufman, K. Magee, M. Carr, M. Belton, and the Galileo SSI Team, Observations of Io by SSI During the First Half of the Galileo Tour of Jupiter, LPSC XXVII, 909-910, 1997.

Prockter, L., J. W. Head, R. Pappalardo, R. Greeley, **D. Senske**, J. Moore, T. Denk and the Galileo Imaging Team, The Distribution and Origin of Dark Material in Galileo Regio, Ganymede: New Evidence From Geological Relationships seen in the Galileo Data, LPSC XXVII, 1143-1144, 1997.

1996

Senske, D., J. W. Head, R. Pappalardo, G. Collins, and the Galileo Imaging Team, Processes of Emplacement and Evolution of Dark Terrain on Ganymede: Early Galileo Results, *GSA*, 1996.

Senske, D. A., Geologic Mapping of the Juno Dorsum Quadrangle (V-47), Venus, *LPSC XXVII*, 1171-1172, 1996.

1995

Senske, D. A., Rifting on Venus, Characteristics and Geologic Associations, *LPSC XXVI*, 1267-1268, 1995.

Schultz, R. A., and **D. A. Senske**, Relationship Between Uplift, Faulting, and Strain Across Valles Marineris, Mars, *LPSC XXVI*, 1253-1254, 1995.

Tanaka, K. L., **D. A. Senske**, and G. G. Schaber, The Geologic Framework of Venus, *Venus II, Geology, Geophysics, and Solar Wind Environment*, 47, 1995

1994

Stofan, E. R., S.E. Smrekar, D. L. Bindschadler, and **D. A. Senske**, Large topographic Rises on Venus: Implications for Mantle Upwelling, *EOS, Transactions, American Geophysical Union*, Vol. 75, 414, 1994.

Schultz, R. A. and **D. A. Senske**, Uplift and Rifting at Valles Marineris, Mars, *EOS, Transactions, American Geophysical Union*, Vol. 75, 413, 1994.

Senske, D. A., Examination of the Relation Between Rifting and Volcanism in the Juno Dorsum Region of Venus, *LPSC XXV*, 1994.

Senske, D. A., R. S. Saunders, E. R. Stofan, and Members of the Magellan Science, The Global Geology of Venus: Classification of Landforms and Geologic History, *LPSC XXV*, 1994.

Senske, D., R. Greeley, K. Bender, Radar Characteristics of Geologic Units in the Carson Quadrangle, Venus , *LPSC XXV*, 1994.

Helgerud, M. B. and **D. Senske**, Kawelu Planitia, Venus: Geology and Mechanisms for the Formation of a Major Volcanic Region , *LPSC XXV*, 1994.

Greeley, R., K Bender, **D. Senske**, and J. Guest, The Carson Quadrangle, Venus , *LPSC XXV*, 1994.

1993

Senske, D. A., R. S. Saunders, E. R. Stofan, and Members of the Magellan Science Team, A Global Geologic Map of Venus: Characterization of Landforms and Stratigraphy, *EOS, Transactions, American Geophysical Union*, Vol. 74, 379, 1993.

Stofan, E. R., R. S. Saunders, **D. Senske**, K. Nock, D. Tralli, P. Lundgren, S. Smrekar, B. Banerdt, W. Kaiser, J. Dudenhoefer, B. Goldwater, A. Schock, and J. Neuman, Venus Interior Structure Mission (VISM): Establishing a Seismic Network on Venus , *Workshop on Advanced Technologies for Planetary Instruments*, 23-24, 1993.

Senske, D. A., E. R. Stofan, D. L. Bindschadler, and S. E. Smrekar, Volcanic Rises on Venus: Geology, Formation, and Sequence of Evolution , *LPSC XXIV*, 1279-1280, 1993.

Saunders, R. S., E. R. Stofan, J. J. Plaut, and **D. A. Senske**, Magellan at Venus: Summary of Science Findings, *LPSC XXIV*, 1237-1238, 1993.

Senske, D. A., Rifting at Northern Devana Chasma, Venus: Characteristics of Extension and Estimation of the Effective Thickness of the Elastic Lithosphere , *LPSC XXIV*, 1993.

1992

Senske, D. A., Rifting in Beta Regio, Venus: Characteristics of Devana Chasma and Implications for Lithospheric Properties using a Plate Flexure Model, *EOS, Transactions, American Geophysical Union*, Vol. 73, 330, 1992.

Senske, D. A., and J. W. Head, Atla Regio, Venus: Geology and Origin of a Major Equatorial Volcanic Rise , *International Colloquium on Venus*, 107-109, 1992.

Senske, D. A. Regional Topographic Rises on Venus: Geology of Western Eistla Regio, Beta Regio, and Atla Regio , *LPSC XXIII*, 1267-1268, 1992.

Senske, D. A. and J. W. Head, Zones of Extension and Rifting on Venus: Characteristics and Distribution , *LPSC XXIII*, 1269-1270, 1992.

1991

Senske, D. A. and J. W. Head, Geology and Tectonics of Topographic Rises on Venus: Comparison of Western Eistla, Beta, and Atla Regiones , *EOS, Transactions, American Geophysical Union*, Vol. 72, No. 44, 285, 1991.

Senske, D. A., J. W. Head, and E. R. Stofan, Geology of Western Eistla Regio, Venus: Results from Magellan Radar Data , *EOS, Transactions, American Geophysical Union*, Vol. 72, No. 17, 174, 1991.

Head, J., J. Guest, G. Schaber, K. Roberts, **D. Senske**, A. Basilevsky, R. Saunders, A. deCharon, T. Parker, B. Klose, B. Pavri, and E. De Jong, Venus Volcanic Centers and Their Environmental Settings: New Data From Magellan , *LPSC XXII*, 541-542, 1991.

Head, J. W., **D. A. Senske**, and G. G. Schaber, The Geology of Western Eistla Regio, Venus: Analysis of Magellan Radar Data , *LPSC XXII*, 551-552, 1991.

Senske, D. A. and J. W. Head, The Geology of Sif Mons and Gula Mons, Western Eistla Regio, Venus, *LPSC XXII*, 1217-1218, 1991.

1990

Senske, D. A. and D. B. Campbell, Geology of the Venus Equatorial Region and Southern Hemisphere from Arecibo Radar Imaging , *EOS, Transactions, American Geophysical Union*, Vol. 71, No. 43, 1426, 1990.

Senske, D. A., D. B. Campbell, J. W. Head, A. A. Hine, and P. C. Fisher, Geology of the Themis-Alpha-Lada Region of the Venus Southern Hemisphere: Results from Arecibo Radar Imaging , *Bull. of AAS*, Vol. 22, No. 3, 1064, 1990.

Senske, D. A., J. W. Head, E. R. Stofan, and D. B. Campbell, Beta Regio, Venus: Characteristics and Models for Origin , *EOS, Transactions, American Geophysical Union*, Vol. 71, No. 17, 546, 1990.

Senske, D. A., J. W. Head, E. R. Stofan, and D. B. Campbell, Geology and Structure of Beta Regio: Results From New Arecibo Data , *LPSC XXI*, 1128-1129, 1990.

Campbell, D. B., J. W. Head, **D. A. Senske**, A. A. Hine, N. J. Stacy, and P. C. Fisher, Venus Southern Hemisphere: Age and Geologic Characteristics of Major Terrains in The Themis Regio-Alpha Regio-Lada Terra Region , *LPSC XXI*, 161-162, 1990.

1989

Senske, D. A., Distribution of large Ring and Arcuate Structures in the Venus Equatorial Region , *Bull. of AAS*, Vol. 21, No. 3, 921, 1989.

Senske, D. A., and J. W. Head, Western Eisila Regio, Venus: Geology and Origin of an Equatorial Highland , *Abstracts of the 28th International Geological Congress*, 3-80, 3-81, 1989.

Senske, D. A. and J. W. Head, Geology of the Venus Equatorial Region From Pioneer Venus Radar Imaging , *Abstracts for the Venus Geoscience Tutorial and Venus Geologic Mapping Workshop*, 43-44, 1989.

Senske, D. A., and J. W. Head, Synthesis of Venus Equatorial Geology: Variations in styles of Tectonism and Volcanism and Comparison with the Northern High Latitudes , *LPSC XX*, 984-985, 1989.

Senske, D. A., and J. W. Head, Venus Equatorial Geologic Units ,*LPSC XX*, 986-987, 1989.

Senske, D. A., A. T. Basilevsky, D. B. Campbell, A.V. Abramov, A. V. Grechischev, and G. M. Levchenko, Examination of Radar-bright deposits associated with the Crater Voynich using Venera 15/16 and Pioneer Venus Roughness, Reflectivity, Altimetry, and Imaging Data ,*LPSC XX*, 988-989, 1989.

Campbell, D. B., A. A. Hine, J. K. Harmon, **D. A. Senske**, R. W. Vorder Bruegge, P. C. Fisher, S. Frank, and J. W. Head, New Arecibo High-Resolution Radar Images of Venus: Preliminary Interpretation ,*LPSC XX*, 142-143,1989.

Sotin, C., **D. Senske**, J. W. Head, and E. M. Parmentier, Analysis of Topography and Line of Sight (LOS) Accelerations over Western Aphrodite: Evaluation of a Spreading Center Model ,*LPSC XX*, 1034-1035 1989.

1988

Senske, D. A., and J. W. Head, Classification and Distribution of Volcanic Structures and Deposits in the Equatorial Region of Venus ,*LPSC XIX*, 1061-1062, 1988.

Senske, D. A., and J. W. Head, Gravity Anomalies on Venus and their Relation to Geologic Structures ,*LPSC XIX*, 1063-1064, 1988.

1987

Senske, D. A., and J. W. Head, Characterization of the Venus Equatorial Highlands Using Pioneer Venus Imaging Mode Data ,*LPSC XVIII*, 908-909, 1987.