

Elizabeth P. Turtle

Bibliography

Refereed journal articles:

- Barnes J.W., Brown R.H., Turtle E.P., McEwen A.S., Lorenz R.D., Janssen M., Schaller E.L., Brown M.E., Buratti B.J., Sotin C., Griffith C., Clark R., Perry J., Fussner S., Barbara J., West R., Elachi C., Antonin B., Roe H.G., Baines K.H., Bellucci G., Bibring J.-P., Capaccioni F., Cerroni P., Coradini A., Cruikshank D.P., Drossart P., Formisano V., Jaumann R., Langevin Y., Matson D.L., McCord T.B., Nicholson P.D., Sicardy B., A 5- μm Bright Spot on Titan: Evidence for Surface Diversity, *Science* **310**, 92-95, 2005.
- Milazzo M.P., Keszthelyi L.P., Radebaugh J., Davies A.G., Turtle E.P., Geissler P., Klaasen K.P., McEwen A.S., Volcanic Activity at Tvashtar Catena, Io, *Icarus*, in press.
- McEwen A.S., Preblich B.S., Turtle E.P., Artemieva N.A., Golombek M.P., Hurst M., Kirk R.L., Burr D.M., Christensen P.R., The Rayed Crater Zunil and Interpretations of Small Impact Craters on Mars, *Icarus* **176**, 351-381, 2005.
- Pathare A.V., Paige D.A., Turtle E.P., Viscous Relaxation of Craters within the Martian South Polar Layered Deposits, *Icarus* **174**, 396-418, 2005.
- Turtle E.P., Pierazzo E., Collins G.S., Osinski G.R., Melosh H.J., Morgan J.V., Reimold W.U., Spray J.G., Impact Structures: What does crater diameter mean? *Large Meteorite Impacts III, GSA Special Paper 384*, Eds. T. Kenkmann, F. Hörz, A. Deutsch, pp. 1-24, 2005.
- Porco C. C., Baker E., Barbara J., Beurle K., Brahic A., Burns J.A., Charnoz S., Cooper N., Dawson D.D., Del Genio A.D., Denk T., Dones L., Dyudina U., Evans M.W., Giese B., Grazier K., Helfenstein P., Ingersoll A.P., Jacobson R.A., Johnson T.V., McEwen A., Murray C.D., Neukum G., Owen W.M., Perry J., Roatsch T., Spitale J., Squyres S., Thomas P.C., Tiscareno M., Turtle E., Vasavada A.R., Veverka J., Wagner R., West R., Imaging of Titan from the Cassini spacecraft, *Nature* **434**, pp. 159-168, 2005.
- Porco C. C., Baker E., Barbara J., Beurle K., Brahic A., Burns J.A., Charnoz S., Cooper N., Dawson D.D., Del Genio A.D., Denk T., Dones L., Dyudina U., Evans M.W., Giese B., Grazier K., Helfenstein P., Ingersoll A.P., Jacobson R.A., Johnson T.V., McEwen A., Murray C.D., Neukum G., Owen W.M., Perry J., Roatsch T., Spitale J., Squyres S., Thomas P.C., Tiscareno M., Turtle E., Vasavada A.R., Veverka J., Wagner R., West R., Cassini Imaging Science: Initial Results on Saturn's Rings and Small Satellites, *Science* **307**, pp. 1226-1236, 2005.
- Porco C. C., Baker E., Barbara J., Beurle K., Brahic A., Burns J.A., Charnoz S., Cooper N., Dawson D.D., Del Genio A.D., Denk T., Dones L., Dyudina U., Evans M.W., Giese B., Grazier K., Helfenstein P., Ingersoll A.P., Jacobson R.A., Johnson T.V., McEwen A., Murray C.D., Neukum G., Owen W.M., Perry J., Roatsch T., Spitale J., Squyres S., Thomas P.C., Tiscareno M., Turtle E., Vasavada A.R., Veverka J., Wagner R., West R., Cassini Imaging Science: Initial Results on Phoebe and Iapetus, *Science* **307**, pp. 1237-1242, 2005.
- Porco C. C., Baker E., Barbara J., Beurle K., Brahic A., Burns J.A., Charnoz S., Cooper N., Dawson D.D., Del Genio A.D., Denk T., Dones L., Dyudina U., Evans M.W., Giese B., Grazier K., Helfenstein P., Ingersoll A.P., Jacobson R.A., Johnson T.V., McEwen A., Murray C.D., Neukum G., Owen W.M., Perry J., Roatsch T., Spitale J., Squyres S., Thomas P.C., Tiscareno M., Turtle E., Vasavada A.R., Veverka J., Wagner R., West R., Cassini Imaging Science: Initial Results on Saturn's Atmosphere, *Science* **307**, pp. 1243-1247, 2005.
- Turtle E.P., Keszthelyi L.P., McEwen A.S., Radebaugh J., Milazzo M., Simonelli D., Geissler P., Williams D.A., Perry J., Jaeger W.L., Klaasen K.P., Breneman H.H., Denk T., Phillips C.B., and the Galileo SSI Team, The Final Galileo SSI Observations of Io: Orbits G28-I33, *Icarus* **169** Special Issue: Io after Galileo, pp. 3-28, 2004.
- Bart G.D., Turtle E.P., Jaeger W.L., Keszthelyi L.P., Greenberg R., Ridges and Tidal Stress on Io, *Icarus* **169** Special Issue: Io after Galileo, pp. 111-126, 2004.

- Keszthelyi L.P., Jaeger W.L., Turtle E.P., Milazzo M., Radebaugh J., A Post-Galileo View of Io's Interior, *Icarus* **169** Special Issue: Io after Galileo, pp. 271-286, 2004.
- Lopes R.M.C., Kamp L.W., Smythe W.D., Mouginis-Mark P., Kargel J., Radebaugh J., Turtle E.P., Perry J., Williams D., Carlson R.W., Douté S., Lava lakes on Io? Observations of Io's volcanic activity from Galileo NIMS during the 2001 flybys, *Icarus* **169** Special Issue: Io after Galileo, pp. 140-174, 2004.
- Radebaugh J., McEwen A.S., Milazzo M.P., Keszthelyi L.P., Davies A.G., Turtle E.P., Dawson D.D., Observations and Temperatures of Io's Pele Patera from *Cassini* and *Galileo* Spacecraft images *Icarus* **169** Special Issue: Io after Galileo, pp. 65-79, 2004.
- Williams D.A., Schenk P.M., Moore J.M., Keszthelyi L.P., Turtle E.P., Jaeger W.L., Radebaugh J., Milazzo M.P., Lopes R.M.C., Greeley R., Mapping of the Culann-Tohil Region of Io, *Icarus* **169** Special Issue: Io after Galileo, pp. 80-97, 2004.
- Turtle E.P., Pierazzo E., O'Brien D.P., Impact Heating During the Formation of the Vredefort Structure, *Meteoritics and Planetary Science*, **38**, pp. 293-303, 2003.
- Jaeger W.L., Turtle E.P., Keszthelyi L.P., Radebaugh J., McEwen A.S., Pappalardo R.T., Orogenic Tectonism on Io, *JGR*, **108**, 10.1029/2002JE001946, 2003.
- Turtle E.P., Jaeger W.L., Keszthelyi L.P., McEwen A.S., Milazzo M., Moore J., Phillips C.B., Radebaugh J., Simonelli D., Chuang F., Schuster P., and the *Galileo* SSI Team, Correction to: Mountains on Io: High-resolution *Galileo* Observations, Initial Interpretations, and Formation Models, *JGR* **107**, DOI 10.1029/2002JE001928, 2002.
- Turtle E.P. and Pierazzo E., Thickness of a European Ice Shell from Impact Crater Simulations, *Science* **294**, pp. 1326-1328, 2001.
- Turtle E.P., Jaeger W.L., Keszthelyi L.P., McEwen A.S., Milazzo M., Moore J., Phillips C.B., Radebaugh J., Simonelli D., Chuang F., Schuster P., and the *Galileo* SSI Team, Mountains on Io: High-resolution *Galileo* Observations, Initial Interpretations, and Formation Models, *JGR* **106**, pp. 33,175-33,200, 2001.
- Keszthelyi L., McEwen A.S., Phillips C.B., Milazzo M., Geissler P., Turtle E.P., Radebaugh J., Williams D.A., Simonelli D.P., Breneman H.H., Klaasen K.P., Levanas G., Denk T., and the *Galileo* SSI Team, Imaging of volcanic activity on Jupiter's moon Io by Galileo during the Galileo Europa Mission and the Galileo Millennium Mission, *JGR* **106**, pp. 33,025-33,052, 2001.
- Moore, J.M., Sullivan R.J., Chuang F.C., Head J.W., McEwen A.S., Milazzo M.P., Nixon B.E., Pappalardo R.T., Schenk P.M., Turtle E.P., Landform Degradation and Slope Processes on Io: The Galileo View, *JGR* **106**, pp. 33,223-33,240, 2001.
- Radebaugh J., Keszthelyi L.P., McEwen A.S., Turtle E.P., Jaeger W., Milazzo M. and the Galileo SSI Team, Paterae on Io: A New Type of Volcanic Caldera?, *JGR* **106**, pp. 33,005-33,020, 2001.
- Moore J.M., *et al.*, Impact Features on Europa: Results of the Galileo Europa Mission (GEM), *Icarus* **151**, pp. 93-111, 2001.
- McEwen A.S. *et al.*, Galileo at Io: Results from High-Resolution Imaging, *Science* **288**, 1193-1198, 2000.
- Pappalardo, R.T. *et al.*, Does Europa have a subsurface ocean? Evaluation of the geological evidence, *JGR* **104**, pp. 24015-24055, 1999.
- Turtle E.P. and Pierazzo E., Constraints on the size of the Vredefort impact crater from numerical modeling, *Meteoritics and Planetary Science* **33**, pp. 483-490, 1998.
- Moore J.M. *et al.*, Large Impact Features on Europa: Results of the Galileo Nominal Mission, *Icarus* **135**, pp. 127-145, 1998.
- Turtle E.P. and Melosh H.J., Stress and Flexural Modeling of the Martian Lithospheric Response to Alba Patera, *Icarus* **126**, pp. 197-211, 1997.
- Hubbard, W.B., *et al.*, The Occultation of 28 Sgr by Saturn: Saturn Pole Position and Astrometry, *Icarus*, **103**, pp. 215-234, 1993.

Conference proceedings and other articles:

- Turtle E.P., Keszthelyi L.P., Williams, D.A., Io after Galileo (Editorial), *Icarus* **169**, pp. 1-2, 2004.

Turtle E.P., *et al.*, AMBASSADOR: Asteroid Sample Return Mission to 7 Iris, *Acta Astronautica* **45**, pp. 415-422, 1999.

Conference abstracts:

Turtle E.P., Helfenstein P., Thomas P., Denk T., Neukum G., *Cassini* ISS Team, *Cassini* ISS Observation of Saturn's Icy Satellites Dione, Tethys, Rhea, Mimas, Hyperion, and Phoebe, *GSA Annual Meeting*, #102-4, 2005 -- Invited.

McEwen A.S., Turtle E.P., *Cassini* Imaging of Titan, *GSA Annual Meeting*, #102-5, 2005 -- Invited.

Turtle E.P., Johnson T.V., Thomas P., Denk T., Giese B., Castillo J.C., Matson D.L., Helfenstein P., *Cassini* ISS Team, Modeling Topography of Saturn's Icy Satellites; Constraints on Interior Structure and Thermal Conditions, *B.A.A.S.* **37**, #39.03, 2005.

Barnes J.W., Buratti B.J., Sotin C., Turtle E.P., McEwen A.S., Lorenz R.D., Schaller E.L., Brown M.E., Clark R., Griffith C., Perry J., Fussner S., Barbara J., West R., Elachi C., Antonin B., Roe H.G., Baines K.H., Bellucci G., Bibring J.-P., Capaccioni F., Cerroni P., Coradini A., Cruikshank D.P., Drossart P., Formisano V., Jaumann R., Langevin Y., Matson D.L., McCord T.B., Nicholson P.D., Sicardy B., The Brightest Spot on Titan, *B.A.A.S.* **37**, #46.03, 2005.

Helfenstein P., Thomas P.C., Veverka J., Squyres S., Rathbun J.A., Denk T., Neukum G., Roatsch T., Wagner R., Perry J., Turtle E., McEwen A.S., Johnson T.V., Porco C., *Cassini* ISS Team, Geological Features and Terrains on Enceladus as seen by *Cassini* ISS, *B.A.A.S.* **37**, #36.01, 2005.

McEwen A., Turtle E., Perry J., Dawson D., Fussner S., Collins G., Porco C., Johnson T., Soderblom L., Mapping and Monitoring the Surface of Titan, *B.A.A.S.* **37**, #53.04, 2005.

Turtle E.P. and Pathare A.V., "Softening" of Martian Impact Craters by Creep of Ice-rich Permafrost, *Workshop on The Role of Volatiles and Atmospheres on Martian Impact Craters*, #3034, 11-14 July 2005 -- Invited.

Turtle E.P., McEwen A., Perry J., Dones L., Hardegree-Ullman E., Fussner S., Porco C., West R., Collins G., *Cassini* ISS Team, Initial Interpretations of Titan's Geology from *Cassini's* Imaging Science Subsystem, *Titan after the Huygens and First Cassini Encounters*, Heraklion, Crete, Greece, 30 May – 3 June 2005 -- Invited.

McEwen A., Turtle E., Perry J., Fussner S., Porco C., West R., Collins G., *Cassini* ISS Team, Mapping Global Albedo Patterns on Titan, *Titan after the Huygens and First Cassini Encounters*, Heraklion, Crete, Greece, 30 May – 3 June 2005 -- Invited.

West R., Del Genio A., Barbara J., McEwen A., Turtle E.P., Porco C., *Cassini* ISS Team, Initial Assessment of Titan's Atmosphere from *Cassini's* Imaging Science Subsystem, *Titan after the Huygens and First Cassini Encounters*, Heraklion, Crete, Greece, 30 May – 3 June 2005.

Turtle E.P., Dawson D.D., Fussner S., Hardegree-Ullman E., McEwen A.S., Perry J.E., Porco C.C., West R.A., *Cassini* ISS Team, Liquid Hydrocarbons on Titan's Surface? How *Cassini* ISS Observations Fit into the Story (So Far), *LPSC XXXVI*, #2311, 2005.

Denk T., Neukum G., Helfenstein P., Thomas P.C., Turtle E.P., McEwen A.S., Roatsch T., Veverka J., Johnson T.V., Perry J.E., Owen W.M., Wagner R.J., Porco C.C., *Cassini* ISS Team, The First Six Months of Iapetus Observations by the *Cassini* ISS Camera, *LPSC XXXVI*, #2262, 2005.

Denk T., Neukum G., Roatsch T., McEwen A.S., Turtle E.P., Thomas P.C., Helfenstein P., Wagner R.J., Porco C.C., Perry J.E., Giese B., Johnson T.V., Veverka J., *Cassini* ISS Team, First Imaging Results from the Iapetus B/C Flyby of the *Cassini* Spacecraft, *LPSC XXXVI*, #2268, 2005.

Fussner S., McEwen A.S., Perry J.E., Turtle E.P., Dawson D.D., Porco C.C., West R.A., *Cassini* ISS Team, Dependence of Surface Contrast on Emission Angle in *Cassini* ISS 938-nm Images of Titan, *LPSC XXXVI*, #2278, 2005.

McEwen A.S., Turtle E.P., Perry J.E., Fussner S., Porco C.C., West R.A., Johnson T.V., Collins G.C., del Genio T., Barbara J., *Cassini* ISS Team, *Cassini* Imaging Results at Titan, *LPSC XXXVI*, #1968, 2005.

- McEwen A.S., Preblich B., Turtle E.P., Studer D., Artemieva N.A., Golombek M.P., Hurst M., Kirk R.L., Burr D.M., Distant Secondary Craters and Age Constraints on Young Martian Terrains, *LPSC XXXVI*, #2111, 2005.
- Milazzo M.P., Keszthelyi L.P., Radebaugh J., Davies A.G., Turtle E.P., Geissler P.E., Klaasen K.P., McEwen A.S., Galileo SSI Observations of Volcanic Activity at Tvashtar Catena, Io, *LPSC XXXVI*, #2335, 2005.
- Perry J.E., McEwen A.S., Fussner S., Turtle E.P., West R.A., Porco C.C., Knowles B., Dawson D.D., Cassini ISS Team, Processing ISS Images of Titan's Surface, *LPSC XXXVI*, #2312, 2005.
- Robinson M.S., Eliason E.M., Hiesinger H., Jolliff B.L., McEwen A.S., Malin M.C., Ravine M.A., Roberts D., Thomas P.C., Turtle E.P., LROC -- Lunar Reconnaissance Orbiter Camera, *LPSC XXXVI*, #1576, 2005.
- McEwen A., West R., Turtle E., Perry J., Johnson T., DelGenio A., Dawson D., Campbell S., Barbara J., Porco C.C., Cassini Imaging Observations of Titan, *EOS Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract P41B-01, 2004.
- Paganelli F., Lopes R.M., Turtle E.P., Williams D.A., Olympus Mass Movement Study from Mars Global Surveyor and Comparison with Io's Volcanoes and Mountains from Galileo Mission, *EOS Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract V33C-1482, 2004.
- McEwen A., Dawson D., Denk T., Helfenstein P., Johnson T., Neukum G., Porco C., Roatsch T., Peter T., Turtle E., Early Cassini Imaging Observations of Saturnian Moons, *GSA Abstracts with Programs* **36**, p. 20, 2004.
- Turtle E.P., McEwen A.S., Perry J., Campbell S., Dawson D.D., West R.A., Johnson T.V., Porco C.C., Cassini ISS Team, Cassini ISS observations of the surface of Titan, *B.A.A.S.* **36**, #6.01, 2004.
- West R., DelGenio A., McEwen A., Barbara J., Turtle E.P., Perry J., Porco C.C., Cassini ISS Team, Titan's Atmosphere: An Early Cassini ISS Perspective, *B.A.A.S.* **36**, #22.07, 2004.
- Denk T., Neukum G., Roatsch T., Wagner R., McEwen A., Turtle E.P., Johnson T., Helfenstein P., Porco C.C., Cassini ISS Team, First Cassini ISS Observations of Iapetus, *B.A.A.S.* **36**, #4.08, 2004.
- Turtle E.P., McEwen A.S., Dawson D.D., West R.A., Porco C.C., Cassini ISS Observations of the Surface of Titan During Approach to Saturn and the T0 Distant Flyby, April-July 2004, *Eos. Trans. AGU*, 85(28), *West. Pac. Geophys. Meet. Suppl.*, #P14A-03.
- Turtle E.P., Pierazzo E., Collins G.S., Osinski G.R., Melosh H.J., Morgan J.V., Reimold W.U., Spray J.G., Impact Structures: What Does Crater Diameter Mean? *LPSC XXXV*, #1772, 2004.
- Turtle E.P., Jaeger W.L., Milazzo M., Keszthelyi L.P., McEwen A.S., Building Mountains on Io: Implications for Io's Lithosphere, *LPSC XXXV*, #2069, 2004.
- Jaeger W.L., Keszthelyi L.P., Turtle E.P., Lithospheric Recycling on Io: The Role of Delamination, *LPSC XXXV*, #2048, 2004.
- Lopes R.M.C., Kamp L.W., Smythe W.D., Radebaugh J., Turtle E., Perry J., Bruno B., Global Distribution of Active Volcanism on Io as Known at the End of the Galileo Mission, *LPSC XXXV*, #1837, 2004.
- Melosh H.J., Turtle E.P., Ridges on Europa: Origin by Incremental Ice-Wedging, *LPSC XXXV*, #2029, 2004.
- Radebaugh J., Jaeger W.L., Keszthelyi L.P., Turtle E.P., Milazzo M.P., Perry J., McEwen A.S., Lopes R., Davies A.G., Geissler P., Relationships Between Paterae, Mountains, and Hotspots on Io from a Global Database, *LPSC XXXV*, #2067, 2004.
- Turtle E.P., What Europa's Impact Craters Reveal: Results of Numerical Simulations, *Workshop on Europa's Icy Shell: Past, Present, and Future*, Houston, Texas, 6-8 Feb. 2004, #7020, -- Invited.
- Turtle E.P., Pathare A.V., Crown D.A., Chuang F.C., Hartmann W.K., Heinze J.C., Bueno N.F., Modeling the Deformation of Lobate Debris Aprons on Mars by Creep of Ice-rich Permafrost, *Eos Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract C21C-0830, 2003.
- Bueno N.F. and Turtle E.P., An Analysis of Lobate Debris Aprons East of Hellas, Mars: Implications for Ground Ice Distribution, *GSA Annual Meeting Abstracts*, 2003.

- Turtle E.P., Pathare A.V., Crown D.A., Chuang F.C., Hartmann W.K., Greenham J.C., Bueno N.F., Modeling the Formation of Lobate Debris Aprons on Mars by Creep of Ice-rich permafrost, In *3rd Int'l Conf. On Mars Polar Science and Exploration, LPI Contribution #1184*, 2003.
- Bart G., Turtle E.P., Jaeger W.L., Keszthelyi L.P., Greenberg R., Possible Surface Effects of Tidal Stress on Io, *B.A.A.S. 35* #2.04, 2003.
- Lopes R.M.C., Kamp L.W., Smythe W.D., Howell R., Mougini-Mark P., Kargel J., Radebaugh J., Turtle E.P., Perry J., Williams D., Carlson R.W., Doute S., Lava Lakes on Io? *B.A.A.S. 35* #2.02, 2003.
- Williams D.A., Keszthelyi L.P., Turtle E.P., Radebaugh J., Jaeger W.L., Milazzo M.P., McEwen A.S., Moore J.M., Schenk P.M., Lopes R.M.C., Greeley R., Regional Geologic Mapping of Io using Galileo Spacecraft Data, *B.A.A.S. 35* #2.03, 2003.
- Collins G.S., Ivanov B.A., Turtle E.P., Melosh H.J., Numerical Simulations of Silverpit Crater Collapse. In *3rd Int'l. Conf. On Large Meteorite Impacts, LPI Contrib. #1167*, 2003.
- Turtle E.P., Showman, A.P., The Importance of High-Resolution Topographic Data for Understanding Geologic Processes and Subsurface Properties of the Galilean Satellites, *Forum of Concepts and Approaches for Jupiter Icy Moons Orbiter*, Houston, Texas, 12-14 June 2003.
- Madsen, S.N., Carsey, F.D., Turtle, E.P., Fine Resolution Topographic Mapping of the Jovian Moons: A Ka-Band High Resolution Topographic Mapping Interferometric Synthetic Aperture Radar, *Forum of Concepts and Approaches for Jupiter Icy Moons Orbiter*, Houston, Texas, 12-14 June 2003.
- Turtle E.P., Jaeger W.L., McEwen A.S., Milazzo M., Keszthelyi L.P., Building Mountains on Io, *EGS/AGU EAE03-A-12166*, 2003 -- Invited.
- Turtle E.P., Pathare A.V., Crown D.A., Hartmann W.K., Greenham J.C., Hartness, N., Modeling the Formation of Debris Aprons on Mars by Creep of Ice-Rich Permafrost, *EGS/AGU EAE03-A-07809*, 2003.
- Turtle E.P., Pathare A.V., Crown D.A., Hartmann W.K., Greenham J.C., Hartness, N., Modeling the Formation of Debris Aprons on Mars by Creep of Ice-Rich Permafrost, *LPSC XXXIV*, #1891, 2003.
- McEwen A., Turtle E., Burr D., Milazzo M., Lanagan P., Christensen P., Boyce J., and the THEMIS Science Team, Discovery of a Large Rayed Crater on Mars: Implications for Recent Volcanic and Fluvial Activity and the Origin of Martian Meteorites, *LPSC XXXIV*, #2040, 2003.
- Collins G.S., Turtle E.P., Melosh H.J., Numerical Simulations of Silverpit Crater Collapse, *LPSC XXXIV*, #2115, 2003.
- Keszthelyi L., Jaeger W.L., McEwen A.S., Turtle E.P., Io's Interior: A Synthesis View at the End of the Galileo Era, *LPSC XXXIV*, #1760, 2003.
- Williams D.A., Turtle E.P., Keszthelyi L.P., Jaeger W.L., Radebaugh J., Milazzo M.P., McEwen A.S., Moore J.M., Schenk P.M., Lopes R.M.C., Greeley R., Mapping of the Culann-Tohil Region of Io, *LPSC XXXIV*, #1176, 2003.
- Collins G.S. and Turtle E.P., Modeling Complex Crater Collapse, In *Impact Cratering: Bridging the Gap Between Modeling and Observations, LPI Contrib. #1155*, 2003 -- Invited.
- Collins G.S., Turtle E.P., Melosh H.J., Numerical Simulations of Silverpit Crater Collapse: A Comparison of Tekton and SALES 2, In *Impact Cratering: Bridging the Gap Between Modeling and Observations, LPI Contrib. #1155*, 2003.
- Turtle E.P., Milazzo M., Jaeger W.L., McEwen A.S., Keszthelyi L.P., Tectonics on Io: Implications for lithospheric structure, *Eos. Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract P72B-0501, 2002.
- Jaeger W.L., and Turtle E.P., Constraints on the Thickness of the Ionian Lithosphere, *Eos. Trans. AGU*, 83(47), Fall Meet. Suppl., Abstract P72B-0502, 2002.
- Turtle E.P. and Ivanov B.A., Simulations of Crater Excavation and Collapse on Europa, *8th workshop of the European Science Foundation program IMPACT: Impact Tectonism*, Mora, Sweden, June 2002.
- Turtle E.P., Jaeger W.L., McEwen, A.S., Keszthelyi L.P., Milazzo M.P., Simonelli D., Galileo SSI Team, New Galileo Observations of Ionian Mountains, *Eos. Trans. AGU*, Spring Meet. Suppl., Abs. #P22A-05, 2002 -- Invited.

- Turtle E.P., Pathare A.V., Hartmann W.K., Crown D., Esquerdo G.A., Characterizing viscous creep deformation of Martian landforms in Noachis and Hellas using MOC and MOLA data, *Eos. Trans. AGU*, Spring Meet. Suppl., Abs. #P42A-10, 2002.
- Kivelson M.G., Khurana K.K., Lopes R., Turtle E., Polar Passes by Io: Limits on the Internal Field and Sources of Field-Aligned Currents in the Polar Cap, *Eos. Trans. AGU*, Spring Meet. Suppl., Abs. #P22A-03, 2002.
- Turtle E.P. and Ivanov B.A., Numerical Simulations of Impact Crater Excavation and Collapse on Europa: Implications for Ice Thickness, *LPSC XXXIII*, #1431, 2002.
- Turtle E.P. *et al.*, New *Galileo* Observations of Ionian Mountains, *LPSC XXXIII*, #1677, 2002.
- Zhang Q., Radebaugh J., Turtle E.P., Keszthelyi L.P., Milazzo M.P., Jaeger W.L., McEwen A.S., Investigation of the Distribution and Characteristics of Ionian Paterae Using a Relational Database, *LPSC XXXIII*, #1745, 2002.
- Jaeger W.L., Turtle E.P., Keszthelyi L.P., McEwen A.S., The Effect of Thrust Fault Geometries on the Surface Deformation of Io: Implications for Mountains and Paterae, *LPSC XXXIII*, #1741, 2002.
- Keszthelyi L. *et al.*, *Galileo* SSI Observations of Io During Orbits C30-I33, *LPSC XXXIII*, #1454, 2002.
- Lopes R.M.C. *et al.*, *Galileo's* Last Fly-Bys of Io: NIMS Observations of Loki, Tupan, and Emakong Calderas, *LPSC XXXIII*, #1793, 2002.
- Pathare A.V., Paige D.A., Turtle E.P., Hartmann W.K., Viscous Creep Relaxation of Impact Craters Within the Martian Polar Layered Deposits, *LPSC XXXIII*, #1972, 2002.
- Turtle E.P., Ivanov B.A., A Lower Limit on the Thickness of Europa's Ice Shell from Numerical Simulations of Impact Cratering, *Eos. Trans. AGU*, 82, Fall Meet. Suppl., Abs. #P12B-0499, 2001.
- McEwen A. *et al.*, *Galileo* SSI Images of Io During the I31 and I32 Flybys, *Eos. Trans. AGU*, 82(47), Fall Meet. Suppl., Abstract #P11A-09, 2001.
- Pathare A.V., Paige D.A., Turtle E.P., Viscous Creep Relaxation of Impact Craters Within the Martian Polar Layered Deposits, *Eos. Trans. AGU*, 82(47), Fall Meet. Suppl., Abstract #P22A-0535, 2001.
- McEwen A. *et al.*, Recent *Galileo* and *Cassini* Observations of the Galilean Satellites, *B.A.A.S.*, **33**, 2001.
- Turtle E.P., Jaeger W.L., McEwen A.S., Keszthelyi L.P., Ionian Mountain Formation Models, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, p. 117.
- Ivanov B.A., Turtle E.P. Penetration of the ice crust on Europa during impact cratering: A lower limit for the ice thickness, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, pp. 54-55.
- McEwen A.S., Turtle E.P., The Lithosphere of Io, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, pp. 71-72.
- Melosh H.J., Turtle E.P., A Model for Ridge Formation on Europa, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, pp. 73-74.
- Milazzo M.P., Geissler P.E., Greenberg R., Keszthelyi L.P., McEwen A.S., Radebaugh J., Turtle E.P., Non-Synchronous Rotation of Io, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, pp. 75-76.
- Radebaugh J., Keszthelyi L., McEwen A., Turtle E., Milazzo M., Jaeger W., and the *Galileo* SSI Team, Formation and Evolution of Paterae on Io from *Galileo* SSI, *Jupiter: Planet, Satellites and Magnetosphere Conf.* Boulder, CO, 25-30 June 2001, pp. 86-87.
- Turtle E.P., Pathare A.V., Hartmann W.K., Esquerdo G.A., Investigating Creep of Ground Ice as a Cause of Crater Relaxation in Martian High-Latitude Softened Terrain, *EOS Trans. AGU* **82**, S245, 2001.
- Turtle, E.P. and E. Pierazzo, Vapor and Melt Production During the Formation of Impact Craters on Europa, *LPSC XXXII*, #1933, 2001.
- Turtle, E.P., A.V. Pathare, W.K. Hartmann, G. Esquerdo, Investigating Creep of Ground Ice as a Cause of Crater Relaxation in Martian High-Latitude Softened Terrain, *LPSC XXXII*, #2044, 2001.
- Turtle, E.P., W.L. Jaeger, L. Keszthelyi, A.S. McEwen, Formation Models of Ionian Mountains, *LPSC XXXII*, #2104, 2001.
- Ivanov B.A., Turtle E.P., Modeling Impact Crater Collapse: Acoustic Fluidization Implemented into a Hydrocode, *LPSC XXXII*, #1284, 2001.

- Jaeger W.L., Turtle E.P., Keszthelyi L.P., McEwen A.S., Orogenic Tectonism on Io, *LPSC XXXII*, #2045, 2001.
- McEwen A. *et al.*, Cassini and Galileo Imaging Observations of Io, *LPSC XXXII*, #1824, 2001.
- Milazzo M.P., Geissler P.E., Greenberg R., Keszthelyi L.P., McEwen A.S., Radebaugh J., Turtle E.P., Does Io Rotate Non-Synchronously?, *LPSC XXXII*, #2089, 2001.
- Turtle, E.P., Pierazzo, E., Melt Production During the Formation of Impact Craters on Europa, *EOS Trans. AGU* **81** (Fall Mtg. Suppl.), F793-794, 2000.
- Ivanov, B.A., Turtle, E.P., Acoustic Fluidization: Implementation Into a Hydrocode and Results for Impact Crater Collapse, *EOS Trans. AGU* **81** (Fall Mtg. Suppl.), F800, 2000.
- Jaeger W.L., Turtle E.P., Mountain Formation on Io: The Effect of Mantle Convection on Lithospheric Stresses, *GSA Abstracts* 32 (Annual Mtg.), 2000.
- Turtle E.P., Jaeger W.L., McEwen A.S., Keszthelyi L., Numerical modeling of mountain formation on Io, *B.A.A.S.* **32**, 1046, 2000.
- Turtle, E.P. and E. Pierazzo, Impact Heating During Formation of the Vredefort Structure, In *Catastrophic Events and Mass Extinctions: Impacts and Beyond*, *LPI Contrib. #1053*, 233-234, 2000.
- Turtle, E.P. *et al.*, Mountains on Io: New Observations and Formation Models, *EOS Trans. AGU* **81** (Spring Mtg. Suppl.), S289, 2000.
- Jaeger, W.L., Turtle, E.P., McEwen, A.S., Keszthelyi, L.P., and the Galileo SSI Team, Possible Tectonic Origin for Hiiaka Patera, Io, *EOS Trans. AGU* **81** (Spring Mtg. Suppl.) S291, 2000.
- Turtle, E.P., Jaeger, W.L., Keszthelyi, L.P., McEwen, A.S., Formation Models of Ionian Mountains, *LPSC XXXI*, #1960, 2000.
- Turtle, E.P., Keszthelyi, L.P., McEwen, A.S., Milazzo, M., Simonelli, D.P., Galileo SSI Team, Observations of Ionian Mountains, *LPSC XXXI*, #1948, 2000.
- Geissler, P. *et al.*, New Results on Io's Color and Composition, *LPSC XXXI*, #1968, 2000.
- McEwen A.S. *et al.*, High Resolution Images of Io from Galileo SSI, *LPSC XXXI*, #1995, 2000.
- Moore, J.M., Sullivan, R.J., Pappalardo, R.T., Turtle, E.P., and the Galileo SSI Team, Degradation and Deformation of Scarps and Slopes on Io: New Results, *LPSC XXXI*, #1531, 2000.
- Turtle, E.P., McEwen, A.S., Keszthelyi, L.P., Galileo SSI Team, Formation of Mountains on Io, *EOS, Trans. AGU* **80**(46), Fall Meeting Suppl., F623, 1999.
- Turtle, E.P., Phillips, C.B., Melosh, H.J., McEwen, A.S., Constraints on the thickness of the European lithosphere from numerical models of crater collapse, *B.A.A.S.* **31**, p. 1177, 1999.
- McEwen, A., Phillips, C., Turtle, E., Geissler, P., Simonelli, D., Galileo SSI Team, Io: Recent Imaging Results from Galileo, *B.A.A.S.*, **31**, pp. 1163-1164, 1999.
- Phillips, C.B., McEwen, A.S., Turtle, E.P., Keszthelyi, L.P., Geissler, P.E., Simonelli, D.P., Galileo Imaging Team, Volcanic Activity on Io from Galileo Images, *B.A.A.S.*, **31**, p. 1187, 1999.
- Turtle, E.P., Phillips, C.B., Melosh, H.J., McEwen, A.S., Implications of crater and ridge morphologies for Europa's subsurface structure, *EGS XXIV*, 1999.
- Turtle, E.P., McEwen, A.S., Kesztheyli, L.P., Schenk, P.M., Formation and evolution of Ionian mountains, *LPSC XXX*, #1971, 1999.
- Turtle, E.P. *et al.*, European impact crater diameters and inferred transient crater dimensions and excavation depths, *LPSC XXX*, #1882, 1999.
- Milazzo, M., *et al.*, Medium Resolution Imaging of Europa: A View from Pole to Pole, *LPSC XXX*, #1979, 1999.
- Moore, J.M., *et al.*, Impact Features on Europa: Results of the Galileo Europa Mission (GEM), *LPSC XXX*, #1485, 1999.
- Turtle, E.P., Melosh, H.J., Phillips, C.B., Tectonic Modeling of the Formation of European Ridges, *EOS, Trans. AGU*, **79**(45), Fall Meeting Suppl., F541, 1998.
- Moore *et al.*, Impact Features on Europa: Results of the Galileo Europa Mission (GEM), *B.A.A.S.*, **30**, 1998.
- Turtle, E.P. and Melosh, H.J., Can exponential creep of olivine explain the formation of the ring around Chicxulub?, *Meteoritics and Planetary Science*, **33**(4), Suppl., p. A157, 1998.

- Turtle, E.P., Melosh, H.J., Phillips, C.B., European Ridges: Tectonic Response to Dike Formation, *EOS Trans. AGU*, **79**(17), Spring Meeting Suppl., S203, 1998.
- Turtle, E.P., *et al.*, AMBASSADOR: Asteroid Sample Return Mission to 7 Iris, *Third IAA Int'l. Conf. on Low-Cost Planetary Missions*, 1998.
- Turtle, E.P., Phillips, C.B., McEwen, A.S., Moore, J.M., Greeley, R., *Galileo* SSI Team, Numerical Modeling of Multi-Ring Impact Craters on Europa: Implications for Subsurface Structure, *LPSC XXVIII*, #1325, 1998.
- Turtle, E.P. and Melosh, H.J., Numerical Modeling of the Role of Plastic Behavior in the Collapse of Large Impact Craters, *LPSC XXIX*, #1780, 1998.
- Turtle, E.P. and Melosh, H.J., Numerical Modeling of the Formation of Multiring Basins. In *Conference on Large Meteorite Impacts and Planetary Evolution (Sudbury 1997)*, *LPI Contrib. No. 922*, 1997.
- Turtle, E.P. and Phillips, C.B., Multi-ring Basins on Europa: Implications for Subsurface Structure, *B.A.A.S.*, **29**, 1997.
- Kring, D.A., *et al.*, Composition of Earth's Continental Crust as Inferred from Impact Melts in the Maya Block and Kaapvaal Craton. In *Seventh Annual V.M. Goldschmidt Conf.*, *LPI Contribution No. 921*, pp. 117-118, 1997.
- Turtle, E.P. and Pierazzo, E., Constraints on the Size of the Vredefort Impact Crater from Numerical Modeling, *LPSC XXVIII*, 1997.
- Turtle E.P. and Melosh H.J., Finite-Element Modeling of the Vredefort Impact Structure: Implications for the Formation of Multi-Ring Impact Craters. *EOS Trans. AGU*, **77**, Fall Meet. Suppl., F444, 1996.
- Turtle, E.P. and Melosh, H.J., Finite-Element Modeling of the Vredefort Impact Structure with Implications for the Collapse and Modification Stage of Large Crater Formation, *LPSC XXVII*, 1996.
- Janes, D.M. and Turtle, E.P., Gravity Signatures of Corona Precursors on Venus: Reality vs. Prediction, *LPSC XXVII*, 1996.
- Turtle, E.P. and Melosh, H.J., Martian Elastic Lithospheric Thickness from Flexural and Gravitational Modeling, *LPSC XXVI*, 1995.
- Turtle, E.P. and Melosh, H.J., Stress and Flexural Modeling of Alba Patera, Mars. *EOS, Transactions, AGU Fall Meeting*, **75**, 1994.
- Turtle, E.P. and Melosh, H.J., Stress and Flexural Modeling of Alba Patera, Mars. *LPSC XXV*, 1994.
- Hubbard, W.B. *et al.*, The occultation of 28 SGR by Saturn - Saturn pole position and astrometry, *Icarus*, **103**, pp. 215-234, 1993.
- Turtle E., Porco C., Haemmerle V., Hubbard W., Clark R., The Kinematics of Eccentric Features in Saturn's Cassini Division from Combined Voyager and Ground-based Data, *B.A.A.S.*, **23**, p. 1179, 1991.
- Turtle E. *et al.*, The Kinematics of Saturn's Major Narrow Rings from Combined Voyager and Ground-based Data, *B.A.A.S.*, **22**, p. 1041, 1990.
- Hubbard W.B. *et al.*, Saturn Pole Position and Ring Radius Scale from 28 Sgr Occultation, *B.A.A.S.*, **22**, p. 1041, 1990.