

CURRICULUM VITAE

Gian Gabriele Ori

Personal information

First name: Gian Gabriele

Last name: Ori

Born: September 11th, 1953, at Modena (Italy)

Citizenship: Italian

Work address: International Research School of Planetary Sciences

Universita' d'Annunzio

Viale Pindaro 42

65127 Pescara Italy

Work phone: +39-085-453-7534

Mobile phone: +39-347-230-1581

Email: ggori@irsps.unich.it

Education

1973 Maturita' Classica, High School degree in Classical Studies, Collegio S. Luigi, (Bologna, Italy)

1979 Dottore in Scienze Geologiche, Universita' di Bologna, (Italy).

Thesis on: Depositional systems of humid-region alluvial fans. Supervisor: Prof. F. Ricci Lucchi.

Current position

Director of the International Research School of Planetary Sciences, IRSPS, (Pescara, Italy) and Full Professor (Professore Ordinario) of Geology at the Universita' d'Annunzio (Pescara, Italy)

Academic experience

2011: Visiting Professor, Universite Paris Sud, , Paris, France

2010 – 2011: Head of the Dipartimento di Scienze of the Universita' d'Annunzio, Pescara-Chieti, Italy

1999-present: Director of the International Research School of Planetary Sciences, *Pescara, Italy*.

- 1999: Visiting Professor, Universitat Politècnica de Catalunya, Barcelona, Spain. *Analysis of planetary data. Organisation of doctoral course in planetary sciences.*
- 1997: Guest Lecturer, International Space University, Strasbourg, France.
- 1995-present: Professor of Geology Faculty of Sciences, Università d'Annunzio, Chieti, Italy.
- 1994-1995: Visiting Professor, Lunar and Planetary Laboratory, University of Arizona, Tucson, (USA).
- 1992-1994: Associate Professor of Sedimentology, Dipartimento di Scienze Geologiche, Università di Bologna (Italy)
- 1985: Temporary Research Scientist, Branch of Oil and Gas Resources, US Geological Survey, Denver, Colorado (USA). *Analysis of the eolian facies in the Minnelusa Formation (Powder River Basins, Wyoming) and Lion Formation (Colorado). Sequence Stratigraphy analysis.*
- 1986-1991: Senior Research Scientist, Dipartimento di Scienze Geologiche, Università di Bologna (Italy). *Sedimentary basins analysis in Italy and Greece. Fluvial and desert environments. Field expeditions in northern Africa and Amazonia. Participation to the National Research Program in Antarctica. Analysis of seismic data. Teaching associated to the undergraduate courses in Geology, Sedimentology and Physical Geography.*
- 1983-1986: Research Scientist, Dipartimento di Scienze Geologiche, Università di Bologna (Italy). *Sedimentary basin analysis in Italy, Greece, Ireland, France. Fluvial and deltaic facies. Teaching associated to the undergraduate courses in Geology, Sedimentology and Physical Geography.*
- 1981-1982: PostDoctoral CNR Fellowship, Department of Earth Sciences, University of Cambridge (UK). *Study of the formation of sedimentary basins in Scotland and Spain. Definition of the piggy-back basin type in the orogenic settings. Fluvial facies analysis*
- 1979-1981: Demonstrator, Istituto di Geologia e Paleontologia, Università di Bologna (Italy). *Analysis of the sedimentary facies of fluvial deposits.*

European Space Agency (ESA) services

- Member of the Landing Site Selection Working Group of ExoMars 2018 (2013 – present)
- Member of the Payload Review Committee of Juice, the ESA, mission to the Jupiter System (2012)
- ExoMars Project team member for 2016 EDM Landing Site Characterisation (2009 –present)
- Member of the Solar System and Exploration Working Group of ESA (2009 – 2011)
- Member of the ESA Working Group on Mars Soil Characterisation for Drilling and Sample Processing (2009 – 2010)
- Vice-Chairman of the Exploration, Science and Technology Advisory Board (2007 – 2009)
- Member of the Payload Review Committee of the mission to Mercury BepiColombo (2004)
-
- Member of the Science Definition Team of the mission Mars Sample Return - MSR (2003).
- Interdisciplinary Scientist (IDs) for the Mars Express mission (2002-present).

- Member of the ESA Topical Team on Electromagnetic and other geophysical techniques for in-situ and orbital planetary exploration (2001 – 2003)
- Member of the Solar System Working Group, SSWG (1999 - 2001)
- Member of the Science Definition Team (SDT) of Mars Express (1997- 1998)..
- Leader of the Team Mars Surface Environment of the ESA Exobiology Study Group (1998).

NASA and International services

- Member of the Joint Science Working Group (NASA/ESA) for the Joint Mars Exploration Program (2011)
- Member of the International Study Analysis Group End2End for the definition of the Mars Sample Return missions, (2010 – 2011)
- Member of the Executive Committee of Mars Exploration Program Analysis Group of NASA (2009 – present)
- Member of the Steering Committee of the Future Mars Landing Site Committee (2010 – present)
- Member of the 2Rover International SAG of MEPAG (2009 – 2010)
- Member of the Future Mars landing Site Selection Committee of NASA (2008 -2009)
- Member and responsible for the Deep Drilling mission concept of Mars Mid-Range Rover SAG of MEPAG to define the 2018 NASA mission (2008 – 2009)
- Member of IMARS, the International Mars Sample Return Working Group. (2007 – present)
- Member of the Human Exploration of Mars SAG (March 2007 – February 2008).
- Member of the Special regions SAG of the Mars Exploration program Analysis Group (MEPAG) (December 2005 – April 2006).
- Member of the LITA test of next generation of Martian rover (September – October 2004).
- Member of the NRC Mars Committee Preventing the Forward Contamination of Mars) (2004 - present)
- Member of the Science Team of the Marsokhod Rover Field Experiment (1999)

Research activity

Research on Earth Geology

- Basin Analysis and clastic sedimentology
- Fluvial dynamics and deposits in ancient and modern environments
- Analysis of compressional and extensional sedimentary basins: their filling and hydrocarbon evaluation
- Desert sedimentary environments and global changes
- Geological evidence of climatic changes in quaternary and older continental deposits
- Antarctic environments and lakes

Research in Planetology

- Geological evolution and paleoclimatology of Mars
- Sedimentary processes on the surface of Mars and their Earth analogues
- Orogenic belts and sag basins on Venus: crustal behaviour and geological effects
- Environments and hydrodynamic of the liquid on Titan

Space missions

ExoMars

- ExoMars Team member
- Characterisation of the landing site for 2016 mission
- Sampling for testing the drilling operations

Cassini (NASA mission to the Saturn system 2003)

- Co-Investigator the Synthetic Aperture Radar (SAR) to investigate the surface of Titan

Mars Express (ESA mission to Mars in 2003)

- InterDisciplinary Scientist for geology
- Member of the Science Definition Team (1997 – 1998)
- Co-Investigator of the High Resolution Stereo Camera - HRSC (developed by DLR).
- Co-Investigator the Subsurface Sounding Radar/Altimeter - MARSIS (developed by ASI and NASA).

ERS 1 – 2 (ESA mission for the observation of the Earth)

- Principal Investigator of the ESA project Quaternary climatic variations and hydrological implications in arid environments using SAR images

Mars Reconnaissance Orbiter (NASA mission to Mars in 2005)

- Co-Investigator of SHARAD the high-resolution penetrating radar developed by ASI and NASA

Industry experience: space exploration

- 2012-2013 Analysis of the simulant for a breadboard of the sampling mechanism for a sample return mission from Asteroids (ESA/Selex Galileo)

- 2010 Scientific assessment of the Mars simulation indoor Chamber of Altec
- 2009 – 2010 Sample procurement and analysis for testing the 2018 ExoMars driller (ESA/Thales Alenia Space)
- 2009 – present Investigation of the ExoMars 2016 landing site (ESA/Thales Alenia Space)
- 2006 –2007 Precision Landing Test Facility with Gavazzi Space, European Space Agency
- 2006 Design of a Planetary Surface Emulator Facility with 4Con (France and Ireland), European Space Agency
- 2002 – 2004 Mars Express Geographical Information System, Agenzia Spaziale Italiana
- 1999 – 2000 Deep Drilling on Mars with Tecnospazio and Officine Galileo, European Space Agency, Division of Microgravity and Manned Space Flight

Industry experience: hydrocarbon exploration and environment

- 2007 – Consulting, Petrom oil company: exploration and reservoir characterization of of Miocene deposits in the Romanian offshore (Black Sea)
- 2006 – Consulting, OMV oil company (Austria): exploration of Paleogene and Oligocene deposits in East Bulgaria and offshore
- 2004 – Consulting, OMV oil company (Austria): exploration of the Cenozoic deposits in Northeast Bulgaria and adjacent Black Sea
- 1994 - Consulting, Enterprise Oil Company (UK): sedimentary model of the Balkan Foredeep (Bulgaria)
- 1988 -1990 Consulting, AGIP Oil Company (Italy): analysis of the subsurface and surface geology of the Central Apenninic - Adriatic foredeep (Italy)
- 1987 -1990 Geophysical in-situ probe for the analysis of marine sediments, EU-MAST project in collaboration with Univ. Kiel (D), IFREMER (F), Univ. Gent (B), Univ. Utrecht (NL), Univ. Bologna (I)
- 1981 -Consulting, Agip Nucleare (Italy): Uranium exploration in Southern Alps (Italy).

Scientific expeditions and field work

1986 -2011: Amazon River (Brazil), Western Africa (Algeria, Mali, Niger, Chad), Western Desert and Sinai (Egypt), Antarctica, Arctic (Canada, Svalbard), Neuken Basin (Argentina). Lake Eire, Pilabara and Northern Queensland (Australia), Southern Alps (New Zealand). Field work in Greece, Spain, Ireland, Scotland, Iceland, Colorado, Utah, Arizona, Libya, Tunisia, Morocco, Austria, Bulgaria, Romania.

Honours and awards

- 2011 NASA Group Award for the participation to the iMars working group
- 2003 European Space Agency, Certificate of Outstanding Contribution for the Mars Express Mission
- 2003 Tartufari award of the Accademia Nazionale dei Lincei. Award presented by the President of the Italian Republic at the Presidential Palace on June 20, 2003

- 1999 European Teaching Fellowship, European Union Socrates/Erasmus Programme,
- 1991 Senior NATO Fellowship
- 1985 NATO Advanced Research Fellowship: Branch of Oil and Gas Resources, US Geological Survey, Denver, Colorado.
- 1981 CNR (Consiglio Nazionale delle Ricerche) PostDoctoral Fellowship: Department of Earth Sciences, University of Cambridge, UK.

Conference and field trip organisation

- 2012 Organiser of the 3rd Conference on Terrestrial Mars Analogues, ESA, ASI and NASA, Marrakech
- 2011 Organiser of the Workshop on Geobiology in Space Exploration NASA ESA, Marrakech Morocco with field trip on Geology and geobiology from PreCambrian to Quaternary
- 2011 Member of the Scientific Organisation Committee of the Mars Polar Conference (Fairbanks)
- 2009 Organiser of the Workshop Geological Mapping of Mars, Institution: IRSPS, US Geological Survey, Agenzia Spaziale Italiana, Il Ciocco, Tuscany with field trip.
- 2009 Leader of the field trip on The Chott El Djerid (Southern Tunisia) and adjacent desert area, Regional Meeting of the International Association of Sedimentologists, Alghero,
- 2007 Co-organiser of the 2nd Workshop on Exploring Mars and its earth Analogues, ASI, CSA, IRSPS Trento June 2006
- 2006 member of the Scientific Committee of the 4th Conference on Mars Polar Science and Exploration, (Davos, October 2006)
- 2004 Leader of the field trip on Vesuvius volcano and Solfatara of the International Mars Conference organized by the Agenzia Spaziale Italiana (Ischia, September 2004)
- 2004 Member of the Italian official Delegation and co-conveener of the session Comparing Planetary Systems at the 32nd International Geological Congress, (Florence, August, 2004)
- 2002 Co-Convener of the Workshop Exploring Mars Surface and its Terrestrial Analogue (Sicily and Mount Etna), organized by the Agenzia Spaziale Italiana and IRSPS, and Co-leader of the post-meeting field trip
- 2001 Co-Convener of the Workshop Exploring Mars Surface and its Terrestrial Analogue (Chott el Djerid, Tunisia), organized by the Agenzia Spaziale Italiana and IRSPS, and Co-leader of the post-meeting field trip (Workshop and field trip has been cancelled due to the September 11th attack to the Twin Towers in New York)
- 2001 Co-conveener of the theme Session The Role of Natural Gas Hydrates in the Evolution of Planetary Bodies and Life of the Conference Earth System Processes organised by the Geological Society of America and the Geological Society, Edinburgh, Scotland
- 2001 Convener of the EuroWorkshop Geoextreme: Geology and Exobiology of the Extreme Environments on earth and in the Solar Systems, Tremiti Islands, Italy

- 2000 Convener of the Special Symposium A-1 Terrestrial Planets of the 31st International Geological Congress, Rio de Janeiro, Brazil
- 2000 Member of the official Italian delegation to the 1st International Geological Congress, Rio de Janeiro, Brazil
- 1999 Member of the Program Committee of the Annual Meeting of the Division of Planetary Sciences (DPS), Padua, October 1999
- 1999 Member of the Scientific Committee of the International Conference on Mars Exploration, co-organised by CNES, Paris, February 1999
- 1998 Member of the Comitato Scientifico and leader of the splinter group Scienza in situ of the National Workshop on Prospettive di partecipazione italiana all'esplorazione di Marte, organised by ASI, the Italian space agency, Pantelleria, Settembre 1998.
- 1998 Lecturer at the Scuola Nazionale di Astrofisica, organised by the Italian Space Agency, (ASI), June 1998
- 1998 Organiser of the Short Course on Geochemical Evolution of the Solar System, organised by the European Space Agency and the Università d'Annunzio, May 1998
- 1997 Organiser of the Short Course in Planetary Geology, organised by the Università d'Annunzio, Pescara, May 1997
- 1996 Co-organiser of the 2nd European Research Conference on "Alluvial Basins: basin analysis and sediment budget" organised by the European Science Foundation, Giens (France) 10 - 15 September 1996
- 1994 Chairman of the 1st European Research Conference on "Alluvial Basins: present and past environments" organised by the European Science Foundation, Lunteren (The Netherlands) 10 - 15 September 1994
- 1991 Leader of the field trip in Apenninic Foredeep, Congress of the European Association of European Geoscientists Florence, (Italy) June 1991
- 1987 Convenor of a short course on Fluvial Deposits of the Consiglio Nazionale delle Ricerche, St. Ulrich (Italy) September 1987
- 1985 Co-leader of a field trip on the Apenninic Foredeep at the Foreland Basin Conference (International Association of Sedimentologists), Fribourg (Switzerland), September 1985
- 1985 - Co-leader of a excursion on Permian deposits in Southern Alps of the Conference on Permian and Permo-Triassic Boundary in Thetys and para-Thetys, Brescia (Italy) August 1985
- 1981 - Co-organiser of the 2nd Regional Meeting of the International Association of Sedimentologists, and co-leader of a field trip on Pliocene fan-delta deposits in Northern Apennines, Bologna (Italy) April, 1981.

Editorial activity

- Senior Associate Editor of Astrobiology – 2001 - present

- Member of the Editorial Board of Sedimentology (Journal of the International Association of Sedimentologists) - 1986 - 1990.
- Review of papers and books: Journal of Geophysical Research, EOS Transaction of the American Geophysical Union, Planetary and Space Science, Journal of Sedimentary Research, Sedimentology, Sedimentary Geology, Cambridge University Press, Netherlands Journal of Geosciences, International Journal of Earth Sciences.

Other information

- Member University of Cambridge Alumni
- Member (Old Darwinian) of the Darwin College, University of Cambridge (UK).
- National Correspondent of the International Association of Sedimentologist - 1982 -1986
- National correspondent of the IGCP Project 252 "Past and Future Evolution of Deserts" 1987 - 1991
- National correspondent of the IGCP Project 324 "Global Paleoenvironmental Archives in Lacustrine Systems" 1989 - 1992

Affiliations

- SEPM (Society for Sedimentary Geology), 1976
- International Association of Sedimentologists (IAS), 1979
- Geological Society of America (GSA), 1982
- American Geophysical Union (AGU), 1988

Languages

Italian (mother language), English (fluent), French (fair), Castillian (poor)

Publications

Peer-reviewed journals and special publications

Ori G.G., 1979. Barre di meandro nelle alluvioni ghiaiose del Fiume Reno (Bologna). Bollettino della Societ  Geologica Italiana, 98: 35-45

Ori G.G. and Venturini C., 1981. Facies continentali permiane nelle Arenarie di Val Gardena. Bollettino della Societ  Geologica Italiana, 98: 35-45

Ricci Lucchi F., Colella A., Ori G.G., Oglioni F. and Colalongo M.L., 1981. Pliocene fan deltas of the Intra-Appenninic Basin, Bologna. 2nd European Meeting, International Association of Sedimentologists, Excursion Guidebook: 79-162

- Ori G.G. and Venturini C., 1981. Facies continentali permiane nelle Alpi meridionali. Rendiconti della Societ  Geologica Italiana, 3: 21-24
- Ori G.G., 1982. Braided to meandering channel pattern in humid region alluvial fan deposits, River Reno, Po Plain (Northern Italy). Sedimentary Geology, 31: 231-248
- Ori G.G. and Penney S.R., 1983. The stratigraphy and sedimentology of the Old Red Sandstone sequence at Dunemore East, County Waterford. Journal of Earth Sciences Royal Dublin Society, 5: 43-59
- Ori G.G. and Friend P.F., 1984. Sedimentary basins formed and carried piggy-back on active thrust sheets. Geology, 12: 475-478
- Ricci Lucchi F. and Ori G.G., 1985. Field excursion D: Synorogenic deposits of the migrating basin system in the NW Adriatic Foredeep: examples from Emilia-Romagna region, northern Apennines. In: P. A. Allen, P. Homewood and G. Williams (eds.), Foreland Basin Conference, Excursion Guidebook: 137-176
- Ori G.G., 1985. Discussion on: Accretion and tectono-sedimentary progradation: the Taranto Gulf (Southern Italy). Geo-Marine Letters, 5: 199-201
- Ori G.G., Roveri M. and Vannoni F., 1986. Plio-Pleistocene sedimentation in the Apenninic-Adriatic Foredeep (Adriatic Sea). In: P.A. Allen, P. Homewood and G. Williams (eds.), Foreland Basins, International Association of Sedimentologists Special Publication, 8: 183-198
- Brack P., Callegari E., Cassinis G., Castellarin A., Fontana D., Gaetani M., Ori G.G., Rigoni Giobbi E., Riklin K., Sartori R. and Ulmer P., 1986. Guida all'escursione sull'Adamello meridionale. Memorie della Societ  Geologica Italiana, 26: 391-419
- Roveri M., Ori G.G. and Zitellini N., 1986. Sedimentazione plio-aternaria nell'Adriatico centrale. Atti Riunione del Gruppo Informale di Sedimentologia CNR Ancona: 141-146
- Cassinis G., Giobbi E., Neri C. and Ori G.G., 1986. Excursion 7, the continental Permian south of the Adamello Massif. Field Conference on Permian and Permian-Triassic Boundary in the South-Alpine segment of western Tethys. Field Guidebook: 151-166
- Ori G.G. and Roveri M., 1987. Geometries of large-channels and Gilbert-type deltas in the Meteora conglomerate (Meso-Hellenic Basin, Oligo-Miocene, Northern Greece). Sedimentology, 34: 845-859
- Ori G.G., Dalla S. and Cassinis G., 1988. Depositional history of Permian continental sequence in the Val trompia - Passo Croce Domini area (Brescian Alps, Italy). Memorie della Societa' Geologica Italiana, 34: 141-154
- Ori G.G., 1988. The nature of Permian rivers in Southern Alps. Memorie della Societa' Geologica Italiana, 34: 155-160
- Massari F., Conti M.A., Fontana D., Helmond K., Mariotti N., Neri C., Nicosia U., Ori G.G., Pasini M. and Pittau P., 1988. The Val Gardena Sandstone and Bellerophon Formation in the Bletterbach Gorge (Alto Adige, Italy): biostratigraphy and sedimentology. Memorie di Scienze Geologiche, 40: 229-273
- Ori G.G. 1988. River systems in arid and semi-arid conditions: examples from Sahara and adjacent areas. In: Petit-Maire (ed.), Deserts, evolution passe  et futures, IGCP 252: 179-181
- Franzinelli E. and Ori G.G., 1988. Mecanismos de preenchimento dos paleovales quaternarios na Amazonia. Anais do VII Congresso Latino-Americano de geologia, Belem, Par , 1: 399-407

- Ori G.G., 1988. Facies e geometrie deposizionali dei sistemi fluviali. *Giornale di Geologia*, 50: 39-68
- Ori G.G., 1988. I depositi eolici. *Giornale di Geologia*, 50: 91-104
- Masini L., Dalla S., Ori G.G., Bianconi P. and Visentin C., 1988. Oued Saoura: un fiume effimero nel Sahara nord-occidentale. *Giornale di Geologia*, 50: 177-184
- Ori G.G., 1989. Geologic history of the extensional basin of the Gulf of Corinth (?Miocene-Pleistocene), Greece. *Geology*, 17: 918-921
- Ori G.G., Serafini G., Visentin C., Ricci Lucchi F., Casnedi R., Colalongo M.L. and Mosna S., 1991. The Pliocene-Pleistocene Adriatic Foredeep (Marche and Abruzzo, Italy): an integrated approach to surface and subsurface geology. 3rd E.A.P.G. Conference, Guidebook, 85 pp.
- Ori G. G. , L. Masini and R. Barbieri, 1991. Stratigrafia, facies e sequenze dei depositi torbiditici del Bacino Mesoeellenico, Oligocene-Miocene (Grecia Settentrionale). *Giornale di Geologia*, 52: 197-219.
- Ori G.G., M. Roveri and G. Nichols, 1991. Architectural patterns in large-scale Gilbert-type delta complexes (Pleistocene, Gulf of Corinth, Greece). In: A.D. Miall and N. Tyler (eds.), The three-dimensional facies architecture of terrigenous-clastic sediments, and implications for hydrocarbon discovery and recovery, *SEPM, Concepts on Sedimentology and Paleontology*, 3: 207-216.
- Missiaen T., Perini L., Brussaard P., De Batist M., McGee T.M. and Ori G.G., 1992. Some geophysical and geological results of the Belgica seismic reconnaissance of the Baltic study area. In M Weydert (ed.) *European Conference on Underwater Acoustics*, Elsevier Applied Science: 469 - 472
- Argnani A., Artoni A., Ori G.G. and Roveri M., 1992. L'avanfossa centro-adriatica: stili strutturali e sedimentazione. *Studi Geologici Camerti*, volume speciale (1991): 371-381
- Ori G.G., 1993. Continental depositional systems of the Quaternary of the Po Plain (Northern Italy). *Sedimentary Geology*, 83: 1 - 14
- Ori G.G., Serafini G., Visentin C., Ricci Lucchi F., Casnedi R., Colalongo M.L. and Mosna S., 1993. Depositional systems of the Pliocene-Pleistocene Adriatic Foredeep (Central Italy) from surface and subsurface data. In A.M. Spencer (ed.) *Generation, accumulation and production of Europe's hydrocarbon III*, Springer Verlag, Special Publication of the European Association of Petroleum Geologists, 3: 233 - 258
- Perini L., Missiaen T, Ori G.G. and De Batist M., 1996. Seismic evidence of glacial to marine sedimentation during the Late Quaternary offshore Bornholm, southern Baltic, *Sedimentary Geology*, 102: 3 - 22.
- Ori G.G. and Ogliani F., 1996. Potentiality of the ground-penetrating radar for the analysis of the stratigraphy and sedimentology of Mars. *Planetary and Space Science*. 44: 1303 - 1315.
- Ori G.G., Marinangeli L., Baliva A., Bressan M. and Strom R.G., 1998, Hydrodynamic of the liquids in motion on Titan, *Planetary Space Science*, 46: 1417 - 1421
- Ori G.G., and Mosangini C., 1998, Complex depositional systems in Hydraotes Chaos, Mars: An example of sedimentary process interactions in the Martian hydrological cycle, *Journal of Geophysical Research*, 103: 22,713 - 22,723
- ESA Exobiology Study Team, 1999, Exobiology of the Solar System and the search for life on Mars, European Space Agency, Special Publication 1231, 188 p

- Barbieri R. and G.G. Ori, 2000 Neogene palaeoenvironmental evolution in the Atlantic side of the Rifian Corridor (Morocco), *Palaeogeography, Palaeoclimatology, Palaeoecology*, 163, 1-31
- Ori G.G., Marinangeli L. and Baliva A., 2000. Terraces and Gilbert-Type Deltas in Crater Lakes in Ismenius Lacus and Memnonia (Mars), *Journal of Geophysical Research*, 105, 17629-17642
- Westall F., Brack A., Hofmann B., Horneck G., Kurat G., Maxwell J., Ori G.G., Pilingier C., Raulin F., Thomas N., Fitton B., Clancy P., Prieur D. and Vassaux D., 2000, An ESA study for the search for life on Mars, *Planetary and Space Science*, 48, 181-202
- Ori G.G., Marinangeli L. and Komatsu G., 2000. Martian Paleolacustrine Environments and Their Geological Constrains on Drilling Operations For Exobiological Research, *Planetary and Space Science*, 48, 1027-1043
- Komatsu G., and G.G. Ori , 2000. Exobiological Implications of Potential Sedimentary Deposits on Mars. *Planets, and Space Sciences*, 48, 1043-1052
- Sisciani V, Calamita F., Tavernelli E., Rusciadelli G., Ori G.G. and Paltrinieri W, 2001, Foreland-dipping normal faults in the inner edges of syn-orogenic basins: a case from the central Apennines, Italy, *Tectonophysics* 330, 211-224
- Stoker, C. R., Cabrol, N. A., Roush, T. R. ; Moersch, J., Aubele, J., Barlow, N.; Bettis, E. A., III, Bishop, J., Chapman, M., Clifford, S., Cockell, C., Crumpler, L., Craddock, R., De Hon, R., Foster, T., Gulick, V., Grin, E., Horton, K., Hovde, G., Johnson, J. R., Lee, P. C., Lemmon, M. T., Marshall, J., Newsom, H. E., Ori, G. G., Reagan, M., Rice, J. W., Ruff, S. W., Schreiner, J., Sims, M., Smith, P. H., Tanaka, K., Thomas, H. J., Thomas, G. and Yingst, R. A., 2001, The 1999 Marsokhod rover mission simulation at Silver Lake, California: Mission overview, data sets, and summary of results, *Journal of Geophysical Research*, 106, 7639-7662
- Ori G.G., Komatsu G. and Marinangeli L. (editors), 2001, Exploring Mars surface and its terrestrial analogues: Field Trip Guidebook to Chott el Gharsa and Chott el Jerid, Alenia Spazio, 91 pp.
- Barbieri R., Ori G.G. and Taviani M., 2001, Phanerozoic submarine cold vent biota and its exobiological potential, *European Space Agency, Spec. Pub. 496*, 295 – 298
- Ori G.G., Glamoclija M, and Rossi A.P (editors)., 2002, Exploring Mars surface and its Earth analogues: Field Trip Guidebook to Mount Etna, Alenia Spazio, 65 pp.
- Farr T.G., Arcone S., Ardvinson R.E., Baker V.R., Barlow N.G., Beaty D., Bell M.S., Blankenship D.D., Bridges N., Briggs G., Bulmer M., Carsey F., Clifford S.M., Craddock R.A., Dickerson P.W., Duxbury N., Galford G.L., Garvin L., Grant J., Green J.R., Gregg T.K.P., Guinness E., Hansen V.L., Hecht M.H., Holt J., Howard A., Keszthelyi L.P., Lee P., Lanagan P.D., Lentz R.C.F., Leverington D.W., Marinangeli L., Moersch J.E., Morris-Smith P.A., Moungis-Mark P., Olhoeft G.R., Ori G.G., Pailou P., Reilly II J.F., Rice J.W., Robinson C.A., Sheridan M., Snook K., Thomson B.J., Eatson K., Williams K. and Yoshikawa K.. 2002, Terrestrial analogs to Mars, *The future of Solar System Exploration 2003 – 2013*, Astronomical Society of the Pacific, Vol 272, 35-76
- Lorenz R.D., Green J.R., Wood C.A., Coustenis C.A., Ori G.G., Pailou P., Yelle R., Bolton S.J., Baines K.H., Terrile R.J., Gurwell M.A., Griffith C.A., Wong A.-S. and Rages K.A., 2002, Titan, *The future of Solar System Exploration 2003 – 2013*, Astronomical Society of the Pacific, Vol 272, 253-261
- Komatsu G., Ori G.G., Ciarcelluti P., and Litasov Y., 2004. Interior layered deposits of Valles Marineris, Mars: Analogous subice volcanism related to Baikal rifting, *Southern Russia Planetary and Space Science*, 52: 167 -187.

- Biccari, D., G. Picardi, R. Seu, L. Marinangeli, R.L. Jordan, J. Plaut, A. Safaenili, D.A. Gurnett, G.G. Ori, R. Orosei, E. Zampoloni, 2004. Performance of the MARS Advanced Radar for Subsurface and Ionosphere Sounding (MARSIS), *Planetary and Space Science*, 52: 149-156
- Colao, F., R. Fantoni, V. Lazic, A. Paolini, G.G. Ori, L. Marinangeli, A. Baliva, 2004. Investigation of LIBS feasibility for in situ planetary exploration: an analysis on Martian rock analogues. *Planetary and Space Science*, 52: 117-123
- Barbieri R., G.G. Ori and B. Cavalazzi, 2004, A Silurian cold-seep ecosystem from the Middle Atlas, Morocco. *Palaaios*, 19: 517-542
- Neukum, G., Jaumann, R., Hoffmann, H., Hauber, E., Head, J. W., Basilevsky, A. T., Ivanov, B. A., Werner, S. C., van Gasselt, S., Murray, J. B., McCord, T. and the HRSC Co-Investigator Team [J. Albertz, A. T. Basilevsky, G. Bellucci, J.-P. Bibring, M. Buchroithner, M. H. Carr, E. Dorrer, T. C. Duxbury, H. Ebner, B. H. Foing, R. Greeley, E. Hauber, J.W. Head III, C. Heipke, H. Hoffmann, A. Inada, W.-H. Ip, B. A. Ivanov, R. Jaumann, H. U. Keller, R. Kirk, K. Kraus, P. Kronberg, R. Kuzmin, Y. Langevin, K. Lumme, W. Markiewicz, P. Masson, H. Mayer, T. B. McCord, J.-P. Muller, J. B. Murray, F. M. Neubauer, J. Oberst, G.G. Ori, M. Pätzold, P. Pinet, R. Pischel, F. Poulet, J. Raitala, G. Schwarz, T. Spohn & S. W. Squyres, 2005, Recent and episodic volcanic and glacial activity on Mars revealed by the High Resolution Stereo Camera, *Nature*, 432: 971 '979.
- NRC PREVCOM, 2006, Preventing the forward contamination of Mars, The National Academies Press
- Di Achille G., G.G. Ori, D. Reiss, E. Hauber, K. Gwinner, G. Michael and G. Neukum, 2006, A steep fan at Coprates catena, Valles Marineris, Mars as seen by HRSC data, *Geophysical Research Letters*, 33, L07204, doi: 10.1029/2006GL025435
- Di Achille G., L. Marinangeli, G.G. Ori, E. Hauber, K. Gwinner, D. Reiss and G. Neukum, 2006, Geological evolution of the Tyrras Vallis paleolacustrine system, Mars, *Journal of Geophysical Research*, 111, E04003, doi: 10.1029/2005JE002561
- Lorenz, R.D., S. Wall, J. Radebaugh, G. Boubin, E. Reffet, M. Janssen, E. Stofan, R. Lopes, R. Kirk, C. Elachi, J. Lunine, K. Mitchell, F. Paganelli, L. Soderblom, C. Wood, L. Wye, H. Zebker, Y. Anderson, S. Ostro, M. Allison, R. Boehmer, P. Callahan, P. Encrenaz, G. G. Ori, G. Francescetti, Y. Gim, G. Hamilton, S. Hensley, W. Johnson, K. Kelleher, D. Muhleman, G. Picardi, F. Posa, L. Roth, R. Seu, S. Shaffer, B. Stiles, S. Vetrella, E. Flamini, R. West, 2006, The Sand Seas of Titan: Cassini RADAR observations of longitudinal dunes, *Science*, 312: 724 – 727, doi: 10.1126/science.1123257
- Barbieri R., Stivalletta N., Marinangeli L. and Ori G.G., 2006, Microbial signatures in sabkha evaporite deposits of Chott el Gharsa (Tunisia) and their astrobiological implications, *Planetary and Space Science*, 54: 726 – 736
- Salvini A., Cattori C., Brogini C., Cagnazzo M., Ori G.G., Nisi S., Borio A. and Manera S., 2006, Ir and rare earth's elements determination by neutron activation analysis and ICP . MS soil samples, *Journal of Physics: Conference Series*, 41: 551 – 554.
- MEPAG Special Regions–Science Analysis Group: D. Beaty, K. Buxbaum, M. Meyer, N. Barlow, W. Boynton, B. Clark, J. Deming, P.T. Doran, K. Edgett, S. Hancock, J. Head, M. Hecht, V. Hipkin, T. Kieft, R. Mancinelli, E. McDonald, C. McKay, M. Mellon, H. Newsom, G. Ori, D. Paige, A.C. Schuerger, M. Sogin, J.A. Spry, A. Steele, K. Tanaka, and M. Voytek., 2006, Findings of the Mars Special Regions Science Analysis Group, *Astrobiology*, Vol. 6, No. 5: 677-732.

- Komatsu G, Arzhannikov S.G., Arzhannikova A.V., Ori G.G., 2007, Origin of glacial–fluvial landforms in the Azas Plateau volcanic field, the Tuva Republic, Russia: Role of ice–magma interaction, *Geomorphology*, 83: 352–366
- Komatsu G., Ori G.G., Di Lorenzo S., Rossi A.P. and Neukum G., 2007, Combinations of processes responsible for Martian impact crater “layered ejecta structures” emplacement, *Journal of Geophysical Research*, 112, E06005, doi:10.1029/2006JE002787
- Komatsu G., Ori G.G., Marinangeli L. and Moersch J.E., 2007, Playa environments on Earth: possible analogs for Mars. In: Chapman M (ed.) *The Geology of Mars*, 322–348, Cambridge University Press
- Cavalazzi B., Barbieri R. and Ori G.G., 2007, Chemosynthetic microbialites in the Devonian carbonate mounds of Hamar Laghdad (Anti-Atlas, Morocco), *Sedimentary Geology*, 200: 73–88
- Borraccini, F., G. Di Achille, G. G. Ori, and F. C. Wezel, 2007, Tectonic evolution of the eastern margin of the Thaumasia Plateau (Mars) as inferred from detailed structural mapping and analysis, *J. Geophys. Res.*, 112, E05005, doi:10.1029/2006JE002866.
- Di Achille, G., G. G. Ori, and D. Reiss (2007), Evidence for late Hesperian lacustrine activity in Shalbatana Vallis, Mars, *J. Geophys. Res.*, 112, E07007, doi:10.1029/2006JE002858.
- Lopes, R.M.C., K.L. Mitchell, E.R. Stofan, J.I. Lunine, R. R. Lorenz, F. Paganelli, R.L. Kirk, C.A. Wood, S.D. Wall, L.E. Robshaw, A.D. Fortes, C.D. Neish, J. Radebaugh, E. Reffet, S.J. Ostro, C. Elachi, M.D. Allison, Y. Anderson, R. Boehmer, G. Boubin, P. Callahan, P. Encrenaz, E. Flamini, G. Francescetti, Y. Gima, G. Hamiltona, S. Hensleya, M.A. Janssen, W.T.K. Johnson, K. Kelleher, D.O. Muhleman, Ori G., R. Orosei, G. Picardi, F. Posa, L.E. Rotha, R. Seu, S. Shaffer, L.A. Soderblom, B. Stilesa, S. Vetrella, R.D. Westa, L. Wyeq And H.A. Zebkerq. (2007). Cryovolcanic features on Titan's surface as revealed by the Cassini Titan Radar Mapper. *Icarus*. vol. 186, pp. 395-412
- Cabrol, Nathalie A, Wettergreen, David, Warren-Rhodes, Kim, Grin, Edmond A, Moersch, Jeffrey, Diaz, Guillermo Chong, Cockell, Charles S, Coppin, Peter, Demergasso, Cecilia, Dohm, James M, Ernst, Lauren, Fisher, Gregory, Glasgow, Justin, Hardgrove, Craig, Hock, Andrew N, Jonak, Dominic, Marinangeli, Lucia, Minkley, Edwin, Ori G.G., Piatek, Jennifer, Pudenz, Erin, Smith, Trey, Stubbs, Kristen, Thomas, Geb, Thompson, David, Waggoner, Alan, Wagner, Michael, Weinstein, Shmuel, Wyatt, Michael. (2007). Life in the Atacama: Searching for life with rovers (science overview). *Journal of Geophysical Research*. vol. 112
- Piatek J.L., Craig Hardgrove, Jeffrey E. Moersch, Darrell M. Drake, Michael B. Wyatt, Michael Rampey, Orion Carlisle, Kim Warren-Rhodes, James M. Dohm, Andrew N. Hock, Nathalie A. Cabrol, David S. Wettergreen, Edmond A. Grin, Guillermo Chong Diaz, Peter Coppin, Shmuel Weinstein, Charles S. Cockell, Lucia Marinangeli, Gian Gabriele Ori, Trey Smith, Dominic Jonak, Michael Wagner, Kristen Stubbs, Geb Thomas, Erin Pudenz, and Justin Glasgow, 2007, Surface and subsurface composition of the Life in the Atacama field sites from rover data and orbital image analysis, *Journal of Geophysical Research*. vol. 112
- Thomas, G. W, Peate, I. Ukstins, Nakamoto, J, Pudenz, E, Glasgow, J, Bretthauer, J, Cabrol, N, Wettergreen, D, Grin, E, Coppin, P, Dohm, J. M, Piatek, J. L, Warren-Rhodes, K, Hock, A. N, Weinstein, S, Fisher, G, Diaz, G. Chong, Cockell, C, Marinangeli, L, Minkley, N, Moersch, J, Ori G., G. G, Smith, T, Stubb, K, Wagner, M, Waggoner, A. S. (2007). Comparing different methods for assessing ground truth of rover data analysis for the 2005 season of the Life in the Atacama Project. *Journal of Geophysical Research*. vol. 112
- Warren-Rhodes, K, Weinstein, S, Piatek, J. L, Dohm, J, Hock, A, Minkley, E, Pane, D, Ernst, L. A, Fisher,

- G, Emani, S, Waggoner, A. S, Cabrol, N. A, Wettergreen, D. S, Grin, E, Coppin, P, Diaz, Chong, Moersch, J, Ori G., G. G, Smith, T, Stubbs, K, Thomas, G, Wagner, M, Wyatt, M, Boyle, L. Ng. (2007). Robotic ecological mapping: Habitats and the search for life in the Atacama Desert. *Journal of Geophysical Research*. vol. 112
- Warren-Rhode, K.s, S. Weinstein, J. Dohm, J. Piatek, E. Minkley, A. Hock, C. Cockell, D. Pane, L. A. Ernst, G. Fisher, S. Emani, A. S. Waggoner, N. A. Cabrol, D. S. Wettergreen, D. Apostolopoulos, P. Coppin, E. Grin, Chong Diaz, J. Moersch, G. G. Ori, T. Smith, K. Stubbs, G. Thomas, M. Wagner, and M. Wyatt, 2007, Searching for microbial life remotely: Satellite-to-rover habitat mapping in the Atacama Desert, Chile, *Journal of Geophysical Research*. vol. 112
- Weinstein S., D. Pane, L. A. Ernst, K. Warren-Rhodes, J. M. Dohm, A. N. Hock J. L. Piatek, S. Emani, F. Lanni, M. Wagner, G. W. Fisher, I. E. Minkley, L. E. Dansey, I. T. Smith, E. A. Grin, K. Stubbs, G. Thomas, C. S. Cockell, L. Marinangeli, G. G. Ori, S. Heys, J. P. Teza, J. E. Moersch, P. Coppin, G. Chong Diaz, D. S. Wettergreen, N. A. Cabrol, and A. S. Waggoner, 2007, Application of pulsed-excitation fluorescence imager for daylight detection of sparse life in tests in the Atacama Desert, *Journal of Geophysical Research*. vol. 112
- Ori G.G., Di Achille G., Komatsu G., Marinangeli L. and Rossi A.P., 2007, River morphologies and palaeodrainages of western Africa (Sahara and Sahel) during humid climatic conditions. In: Nichols G., Williams E. and Paola C. (Eds), *Sedimentary processes, environments and basins: a tribute to Peter Friend*, Int. Assoc. Sedimentologists, Special Pub., 38: 519 – 533
- Caprarelli, G., Pondrelli, M., Di Lorenzo, S., Marinangeli, L., Ori, G.G., Greeley, R., Neukum, G., 2007, A description of surface features in north Tyrrhena Terra, Mars: Evidence for extension and lava flooding, *Icarus*, 191: 524 - 544
- Gian Paolo Guizzo, Andrea Bertoli, Alberto Della Torre, Giorgio Magistrati, Filippo Mailland, Igor Vukman, Christian Philippe, Maria Manzano Jurado, Gian Gabriele Ori, Malcolm Macdonald, Oliver Romberg, Stefano Debei, Mirco Zaccariotto, 2008, Mars and Moon exploration passing through the European Precision Landing GNC Test Facility, *Acta Astronautica*, 63: 74-90
- Lorenz, R.D., Lopes, R.M., Paganelli, F., Lunine, J.I., Kirk, R.L., Mitchell, K.L., Soderblom, L.A., Stofan, E.R., Ori, G.G., Myers, M., Miyamoto, H., Radebaugh, J., Stiles, B., Wall, S.D., Wood, C.A., 2008 Fluvial channels on Titan: Initial Cassini RADAR observations, *Planetary and Space Science*, 56: 1132-1144
- Dohm, J.M., Anderson, R.C., Barlow, N.G., Miyamoto, H., Davies, A.G., Jeffrey Taylor, G., Baker, V.R., Boynton, W.V., Keller, J., Kerry, K., Janes, D., Fairén, A.G., Schulze-Makuch, D., Glamoclija, M., Marinangeli, L., Ori, G.G., Strom, R.G., Williams, J.-P., Ferris, J.C., Rodríguez, J.A.P., de Pablo, M.A., Karunatillake, S., 2008, Recent geological and hydrological activity on Mars: The Tharsis/Elysium corridor, *Planetary and Space Science*, 56: 985 – 1013
- Dohm, J.M., Victor R. Baker, William V. Boynton, Alberto G. Fairén, Justin C. Ferris, Michael Finch, Roberto Furfaro, Trent M. Hare, Daniel M. Janes, Jeffrey S. Kargel, Suniti Karunatillake, John Keller, Kris Kerry, Kyeon Kim, Goro Komatsu, William C., Mahaney, Dirk Schulze-Makuch, Lucia Marinangeli, Gian G. Ori, Javier Ruiz, Shawn J. Wheelock, 2009, GRS Evidence and the possibility of paleoceans on Mars, *Planetary and Space Science*, 57: 664 - 684
- Hauber H., K. Gwinner, M. Kleinhans, D. Reiss, G. Di Achille, G. G. Ori, F. Scholten, L. Marinangeli, R. Jaumann, G. Neukum. 2009, Sedimentary deposits in Xanthe Terra: Implications for the ancient climate on Mars, *Planetary and Space Science*, 57: 955-957

- Silvestro S., Fenton L.K., Vaz D.A., Bridges N.T., Ori G. (2010). Ripple migration and dune activity on Mars: Evidence for dynamic wind processes. *Geophysical Research Letters*, 37, art No. L20203 ISSN: 0094-8276, doi: 10.1029/2010GL044743
- Silvestro S., Di Achille G., Ori G. (2010). Dune morphology, sand transport pathways and possible source areas in east Thaumasia Region. *Geomorphology*, vol. 37; p. 84-97, ISSN: 0169-555X
- Ori G. G. (2010). The sedimentary record of modern and ancient dry lakes. In: Cabrol Nathalie, Grin Edmond. *Lakes on Mars*. p. 307-322, Elsevier, ISBN/ISSN: 9780444528544
- Komatsu G., Ori G., Cardinale M., Dohm J.M. Baker, V.R. Vaz, D.A., Ishimaru R., Matsui T. (2011). Roles of methane and carbon dioxide in geological processes on Mars. *Planetary And Space Science*, 59; 169-181, ISSN: 0032-0633, doi: 10.1016/j.pss.2010.07.002
- Grotzinger J., David Beaty, Gilles Dromart, Sanjeev Gupta, Mitch Harris, Joel Hurowitz, Gary Kocurek, Scott McLennan, Ralph Milliken, Ori G., Dawn Sumner (2011). Mars Sedimentary Geology: Key Concepts and Outstanding Questions. *Astrobiology*, 11: 77-87, ISSN: 1531-1074, doi: 10.1089/ast.2010.0571
- McLennan, S.M., Sephton, M.A., Allen, C., Allwood, A.C., Barbieri, R., Beaty, D.W., Boston, P., Carr, M., Grady, M., Grant, J., Heber, V.S., Herd, C.D.K., Hofmann, B., King, P., Mangold, N., Ori, G.G., Rossi, A.P., Raulin, F., Ruff, S.W., Sherwood Lollar, B., Symes, S., and Wilson, M.G. (2011) Planning for Mars returned sample science: final report of the MSR End-to-End International Science Analysis Group (E2E-iSAG). *Astrobiology* 12:175–230
- Pondrelli, M., Rossi, A.P., Ori, G.G., van Gasselt, S., Praeg, D., Ceramicola, S., 2011, Mud volcanoes in the geologic record of Mars: The case of Firsoff crater, *Earth and Planetary Science Letters*, 304: 511-519
- Cavalazzi, B., Barbieri, R., Cady, S.L., George, A.D., Gennaro, S., Westall, F., Lui, A., Canteri, R., Rossi, A.P., Ori, G.G., Taj-Eddine, K., Iron-framboids in the hydrocarbon-related Middle Devonian Hollard Mound of the Anti-Atlas mountain range in Morocco: Evidence of potential microbial biosignatures, *Sedimentary Geology*, 263/264: 183 - 193
- Jouannic G., Gargani J., Costard F., Ori G.G., Marmo G., Schmidt F., and Lucas A., 2012, Morphological and mechanical characterization of gullies in a periglacial environment: The case of the Russel crater dune (Mars), *Planetary and Space Science*, 71: 38 – 54
- Silvestro S., Fenton L.K., Michaels T.I., Valdez A., and Ori G.G., 2012, Interpretation of the complex dune morphology on Mars: dune activity, modelling and a terrestrial analogue, *Earth Surface Processes and Landforms*, 37: 1424 – 1436.
- Lorenz R.D., Gasmi N., Radebaugh J., Barnes J.W. and Ori G.G., 2013, Dunes on planet Tatooine: Observation of barcan migration at the Star Wars film set in Tunisia, *Geomorphology*, in press
- Gernot Groemer, Alexander Soucek, Norbert Frischauf, Willibald Stumptner, Christoph Ragonig, Sebastian Sams, Thomas Bartenstein, Sandra Häuplik-Meusburger, Polina Petrova, Simon Evetts, Chan Sivenesan, Claudia Bothe, Andrea Boyd, Aline Dinkelaker, Markus Dissertori, David Fasching, Monika Fischer, Daniel Föger, Luca Foresta, Lukas Fritsch, Harald Fuchs, Christoph Gautsch, Stephan Gerard, Linda Goetzloff, Izabella Gołębiowska, Paavan Gorur, Gerhard Groemer, Petra Groll, Christian Haider, Olivia Haider, Eva Hauth, Stefan Hauth, Sebastian Hettrich, Wolfgang Jais, Natalie Jones, Kamal Taj-Eddine, Alexander Karl, Tilo Kauerhoff, Muhammad Shadab Khan, Andreas Kjeldsen, Jan Klauck, Anna Losiak, Markus Luger, Thomas Luger, Ulrich Luger, Jane McArthur, Linda Moser, Julia Neuner, Csilla Orgel, Gian Gabriele Ori, Roberta Paternesi, Jarno Peschier, Isabella Pfeil, Silvia Prock, Josef Radinger, Barbara Ramirez, Wissam Ramo, Mike Rampey, Arnold Sams, Elisabeth Sams, Oana Sandu, Alejandra Sans, Petra Sansone, Daniela Scheer,

Daniel Schildhammer, Quentin Scornet, Nina Sejkora, Andrea Stadler, Florian Stummer, Michael Taraba, Reinhard Tlustos, Ernst Toferer, Thomas Turetschek, Egon Winter, Katja Zanella-Kux, 2014, The MARS2013 Mars Analog Mission, *Astrobiology*, 14, 360 -376.

Gernot Groemer, Birgit Sattler, Klemens Weisleitner, Lars Hunger, Christoph Kohstall, Albert Frisch, Mateusz Józefowicz, Sebastian Meszyński, Michael Storrie-Lombardi, Claudia Bothe, Andrea Boyd, Aline Dinkelaker, Markus Dissertori, David Fasching, Monika Fischer, Daniel Föger, Luca Foresta, Norbert Frischauf, Lukas Fritsch, Harald Fuchs, Christoph Gautsch, Stephan Gerard, Linda Goetzloff, Izabella Gołębiowska, Paavan Gorur, Gerhard Groemer, Petra Groll, Christian Haider, Olivia Haider, Eva Hauth, Stefan Hauth, Sebastian Hettrich, Wolfgang Jais, Natalie Jones, Kamal Taj-Eddine, Alexander Karl, Tilo Kauerhoff, Muhammad Shadab Khan, Andreas Kjeldsen, Jan Klauck, Anna Losiak, Markus Luger, Thomas Luger, Ulrich Luger, Jane McArthur, Linda Moser, Julia Neuner, Csilla Orgel, Gian Gabriele Ori, Roberta Paternesi, Jarno Peschier, Isabella Pfeil, Silvia Prock, Josef Radinger, Christoph Ragonig, Barbara Ramirez, Wissam Ramo, Mike Rampey, Arnold Sams, Elisabeth Sams, Sebastian Sams, Oana Sandu, Alejandra Sans, Petra Sansone, Daniela Scheer, Daniel Schildhammer, Quentin Scornet, Nina Sejkora, Alexander Soucek, Andrea Stadler, Florian Stummer, Willibald Stumptner, Michael Taraba, Reinhard Tlustos, Ernst Toferer, Thomas Turetschek, Egon Winter, Katja Zanella-Kux, 2014, Field Trial of a Dual-Wavelength Fluorescent Emission (L.I.F.E.) Instrument and the Magma White Rover during the MARS2013 Mars Analog Mission *Astrobiology*, 14, 391 – 405

Gernot Groemer, Luca Foresta, Thomas Turetschek, Claudia Bothe, Andrea Boyd, Aline Dinkelaker, Markus Dissertori, David Fasching, Monika Fischer, Daniel Föger, Norbert Frischauf, Lukas Fritsch, Harald Fuchs, Christoph Gautsch, Stephan Gerard, Linda Goetzloff, Izabella Gołębiowska, Paavan Gorur, Gerhard Groemer, Petra Groll, Christian Haider, Olivia Haider, Eva Hauth, Stefan Hauth, Sebastian Hettrich, Wolfgang Jais, Natalie Jones, Kamal Taj-Eddine, Alexander Karl, Tilo Kauerhoff, Muhammad Shadab Khan, Andreas Kjeldsen, Jan Klauck, Anna Losiak, Markus Luger, Thomas Luger, Ulrich Luger, Jane McArthur, Linda Moser, Julia Neuner, Csilla Orgel, Gian Gabriele Ori, Roberta Paternesi, Jarno Peschier, Isabella Pfeil, Silvia Prock, Josef Radinger, Christoph Ragonig, Barbara Ramirez, Wissam Ramo, Mike Rampey, Arnold Sams, Elisabeth Sams, Sebastian Sams, Oana Sandu, Alejandra Sans, Petra Sansone, Daniela Scheer, Daniel Schildhammer, Quentin Scornet, Nina Sejkora, Alexander Soucek, Andrea Stadler, Florian Stummer, Willibald Stumptner, Michael Taraba, Reinhard Tlustos, Ernst Toferer, Egon Winter, Katja Zanella-Kux, 2014, A Case for Using Ground-Based Thermal Inertia Measurements to Detect Martian Caves, *Astrobiology*, 14, 431 - 437

Pescara 12 September 2013