

Name	Thesis title	Main institute	PhD year
<b>HRSC</b>			
W. Zeitler	Simultane Neuausgleichung des globalen 3D-Mars-Netzes	Institute of Planetary Research, Planetary Geology, DLR Berlin	1999
A. P. Rossi	Terrestrial analogues to Martian surface features and Earth impact structures.	International Research School of Planetary Sciences	2004
J. Lanz	Geometrische, morphologische und stratigraphische Untersuchungen ausgewählter Outflow Channel der Circum-Chryse-Region, Mars, mit Methoden der Fernerkundung	Institute of Planetary Research, Planetary Geology, DLR Berlin	2004
P. Dorninger	A Topographic Mars Information System – Concepts for Management, Analysis and Visualization of Planet-Wide Data	Technische Universität Wien, Department of Geodesy and Geoinformation	2004
M. Glamocljija	Microbial biosignatures from hydrothermal environments and the search for life on other planets	International Research School of Planetary Sciences	2005
S. Werner	Major Episodes of the Chronostratigraphy and Geologic Evolution of Mars	Department of Earth Sciences, Freie Universität Berlin	2005
D. Reiß	Erosionsrinnen auf dem Mars - Morphologie, Verbreitung, Genese und zeitliche Einordnung der Bildungsprozesse	Institute of Planetary Research, Planetary Geology, DLR Berlin	2005
G. di Achille	Hydrogeology of Xanthe Terra and Thaumasia Plateau (Mars), using MEX HRSC data.	International Research School of Planetary Sciences	2006
A. Pacifici	Analisi Geomorfologica della regione dell'Ares Vallis (Marte) tramite immagini ad alta risoluzione.	International Research School of Planetary Sciences	2006
C. Popa	Modellizzazione geochimica di possibili depositi evaporitici di Marte	International Research School of Planetary Sciences	2006
S. van Gasselt	Cold Climate Landforms on Mars	Department of Earth Sciences, Freie Universität Berlin	2007
J.E. Bleacher	Characterization of Shield Volcanoes on Earth and Mars from Slope Analyses and Lava Flow Mapping	School of Earth & Space Exploration, Arizona State University, Tempe, Arizona, USA	2007
P. Saiger	Entwicklung, Implementierung und Erprobung eines planetaren Informationssystems auf Basis von ArcGIS	Institute of Planetary Research, Planetary Geodesy, DLR Berlin	2007
M. Spiegel	Kombinierte Ausgleichung der Mars Express HRSC Zeilenbilddaten und des Mars Global Surveyor MOLA DGM	Lehrstuhl für Photogrammetrie und Fernerkundung, Technischen Universität München	2007
J.-R. Kim	Landscape objects detection and reconstruction by multi-sensor data fusion	Department of Geomatic Engineering, University College London	2007
R. Schmidt	Automatische Bestimmung von Verknüpfungspunkten für HRSC-Bilder der Mars Express-Mission	Institut für Photogrammetrie und Geoinformation, Leibniz Universität Hannover	2008
D. Loizeau	Spectral and geological study of phyllosilicates on Mars	Université Paris-Sud, Orsay	2008
D. Tirsch	Dark Dunes on Mars - Analyses on origin, morphology, and mineralogical composition of the dark material in Martian craters	Institute of Planetary Research, Planetary Geology, DLR Berlin	2008
L. Le Deit	Les dépôts stratifiés dans la région de Valles Marineris (Mars) : composition minéralogique et morphologie	Laboratoire de Planétologie et Géodynamique, LPG-Nantes, France	2008
A. Jehl	Photométrie orbitale HRSC de la surface de Mars / HRSC orbital photometry of the Martian surface	Institut de Recherche en Astrophysique et Planétologie (IRAP), Observatoire Midi-Pyrénées, Université Paul Sabatier, Toulouse, France	2008
S. Silvestro	Complex aeolian systems in the martian southern hemisphere	International Research School of Planetary Sciences	2009
K. Willner	The Martian moon Phobos : a geodetic analysis of its motion, orientation, shape, and physical parameters	Institute of Planetary Research, Planetary Geodesy, DLR Berlin	2009
M. Sowe	Interior Layered Deposits in chaotic terrains on Mars	Institute of Planetary Research, Planetary Geology, DLR Berlin	2009
S. Gehrke	Geometrische und radiometrische Modellierung der Mars-Oberfläche aus HRSC-Bilddaten	Institute of Geodesy and Geoinformation Science, Technische Universität Berlin	2009
S. Bouley	Morphology and age of Martian valley networks	Université Paris-Sud, Orsay	2009
A.R. Baptista	Volcanism in the southern Tharsis region	Int. Physique du Globe de Paris	2009
S. Meresse	Surface-subsurface interactions on Mars	Université Paris-Sud, Orsay	2009
T. Kneissl	Case studies of major surface processes on Mars with aspects of chronological relationships - Remote sensing applications and GIS spatial analysis	Department of Earth Sciences, Freie Universität Berlin	2011
X. Shi	Working models for the gravitational field of Phobos	Institute of Geodesy and Geoinformation Science, Technische Universität Berlin	2011
L. Wendt	Phyllosilicates and sulfates on Mars - Case studies from Terra Cimmeria and Valles Marineris	Department of Earth Sciences, Freie Universität Berlin	2012
G. Erkeling	Aqueous History of the Libya Montes and Vicinity, Mars: Implications for the Martian Hydrologic Evolution and Climate Change	Institut für Planetologie, Westfälische Wilhelms-Universität Münster	2012
E. Dehouck	Alteration of the Martian surface	Université Nantes	2012
S. Musiol	Geodynamics of the Volcanoes Hadriaca Patera and Olympus Mons on Mars – Synthesis of Observations and Finite Element Modeling	Department of Earth Sciences, Freie Universität Berlin	2013
G. de Villiers	Delta and fan morphologies on Mars as climate indicators	Department of Physical Geography, Utrecht University, the Netherlands	2013
W. Patsyn	Multispectral observations of Phobos by HRSC on Mars Express	Moscow State University of Geodesy and Cartography (MIGAIK)	2013
M. Bamberg	Planetary Mapping Tools Applied to Floor-Fractured Craters on Mars	Institute of Planetary Research, Planetary Geology, DLR Berlin	2014
A. Petau	Fluviale Prozesse auf dem Mars - Abflussgeschehen, Abflussbilanzierung und Ableitung klimatischer Rahmenbedingungen anhand von Regionalstudien der Einschlagskrater Newton und Bakhuyzen	Institute of Planetary Research, Planetary Geology, DLR Berlin	2014
J. Raak	Recent and present-day seasonal activity of morphological processes (gullies, dark flows, and dust devils) on Mars	Institut für Planetologie, Westfälische Wilhelms-Universität Münster	2015
W. A. Marra	Martian groundwater outflow processes and morphology: reconstruction of paleohydrology using landscape evolution experiments	Department of Physical Geography, Utrecht University, the Netherlands	2015
W. D. Poole	Landscape Objects Detection and Reconstruction by Multi-sensor Data Fusion	Mullard Space Science Laboratory, Department of Space & Climate Physics, University College London	2015
M. Al-Samir	Evaporites in Juventae Chasma, Mars: Leaching experiments and geochemical modeling	Institute of Planetary Research, Planetary Geology, DLR Berlin	2015
T. de Haas	Life, death and revival of debris-flow fans on Earth and Mars: fan dynamics and climatic inferences	Department of Physical Geography, Utrecht University, the Netherlands	2016
S. Adeli	Geologic history of water on Mars: regional evolution of aqueous and glacial processes in the southern highlands, through time	Institute of Planetary Research, Planetary Geology, DLR Berlin	2016
H. Bernhardt	The geology of the Hellas and Argyre basins and their implications for the geologic and climatic evolution of Mars	Institut für Planetologie, Westfälische Wilhelms-Universität Münster	2117
<b>OMEGA</b>			
Ricardo Melchiorri	Calibration et préparation à la spectro-imagerie planétaire	LESIA, Meudon	2004
Aline Gendrin	Minéralogie de Mars: L'expérience OMEGA	Institut d'Astrophysique Spatiale (IAS) Orsay	2005
Francesca Altieri	Data analysis of the OMEGA experiment on board the ESA mission Mars Express	IAS, Frascati	2005
Cathy Quantin	Geological and climatic evolution of Valles Marineris (Mars)	Lyon1	2005
Ralph Miliken	Quantifying and modeling the water content of geological materials using VIS-NIR reflectance spectroscopy	Brown University, Providence	2006
Guillaume Bonello	Ground calibration of space experiments of visible and near infrared spectroimaging for the study of plane	Institut d'Astrophysique Spatiale (IAS) Orsay	2006
Frédéric Schmitt	Classification de la surface de Mars par imagerie hyperspectrale OMEGA - Suivi spatio-temporel et étude de	LPG, Grenoble	2007
Denis Jouglet	The hydration of the surface of Mars seen by the spectral imager OMEGA	Institut d'Astrophysique Spatiale (IAS) Orsay	2008
Mathieu Vincendon	Modeling radiative transfer in the Martian atmosphere for the determination of surface spectral properties	Institut d'Astrophysique Spatiale (IAS) Orsay	2008
Damien Loizeau	Spectral and geological study of the Mars phyllosilicates Analysis of the OMEGA and HRSC data of the Mars	Université Paris 11, Orsay	2008
Luca Maltagliati	Investigation of the Martian atmospheric water cycle by the OMEGA mapping spectrometer onboard Mars Express	MPS / Technical University Braunschweig, Germany	2008
Laetitia LeDeit	Stratified deposits in the region of Valles Marineris (Mars): mineralogical composition and morphology	LPGN, Nantes	2008
Amyeric Spiga	Meso-scale dynamics of the Martian atmosphere: development of a meteorological model and analysis of	LMD, Paris	2008
Sandra Wiseman	Spectral and stratigraphic mapping of hydrated sulfate and phyllosilicate-bearing deposits: Implications	Washington University, Saint Louis	2009
Leah Roach	Sulfates in Valles Marineris as indicators of the aqueous evolution of Mars	Brown University, Providence	2009
Antoine Pommerol	Mineral hydration at the surface of Mars: spectroscopic characterization, thermodynamics and applicatio	LPG, Grenoble	2009
Harold Clenet	Hyperspectral Remote Sensing: Mineralogy and Petrology, Application to Syrtis Major Volcano (Mars) and	DTP, Toulouse	2009
Kim Lichtenberg	Remote sensing and terramechanics study of Mars using orbital and rover data sets	Washington University, Saint Louis	2010
Bethany Ehlman		Brown University, Providence	2010
Nadia Evdokimova	Study of the interaction of the Mars atmosphere and the surface in climatic cycle from the data of OME	IKI, Moscow	2010
Marion Massé	Nature and origin of sulphate deposits in the equatorial and polar regions of Mars: morphological and m	LPGN, Nantes	2010
Jessica Flahaut	Mineralogy of Valles Marineris (Mars) by hyperspectral imagery: magmatic and sedimentary history of the	ENIS, Lyon	2011
John Carter	Étude des minéraux hydratés à la surface de Mars par les imageurs hyperspectraux OMEGA/MEX et CRISM/MRO	Institut d'Astrophysique Spatiale (IAS) Orsay	2011
Giacomo Carrozzo	Spettroscopia ad immagini del ghiaccio d'acqua da satellite e studio dello spettro di assorbimento ad 1 µ	IAS, Frascati	2011
Jean-Baptiste Madeleine	Nuages et poussières de l'atmosphère martienne : télédétection, modélisation des rétroactions climatiq	LMD, Paris	2011
Thomas Appéré	Current water cycle on Mars: study of Northern Hemisphere seasonal deposition by hyperspectral rem	IPAG, Grenoble	2012
Anouk Ody	Depth and interpretation of spatial data of hyperspectral imagery of Mars (OMEGA / MEX): Volcanic evol	Institut d'Astrophysique Spatiale (IAS) Orsay	2012
Erwin Dehouck	Characterization of alteration processes on the surface of primitive Mars by experimental approach and	LPGN, Nantes	2012
Patrick Thollot	Study of the alteration of the Mars surface by hyperspectral imagery: mineralogy of the regions of Nocti	LPGN, Nantes	2013
Constantino Listowski	Modelling the Martian CO2 ice clouds: application to mesospheric clouds	Latos, Guyancourt	2013
Abby Freaman	Materials and Surface Processes at Gale Crater and the Moons of Mars Derived from High Spatial and Spect	Washington University, Saint Louis	2014
Joachim Audouard	Thermo-physical properties and hydration of the Mars surface	Institut d'Astrophysique Spatiale (IAS) Orsay	2014
Lucie Riu	Study of the evolution of Mars and the search for habitability conditions by hyperspectral imagery: from	Institut d'Astrophysique Spatiale (IAS) Orsay	2017
Anni Maataanen	remote sensing to in situ observations HDR thesis title: Aérosols et nuages dans les atmosphères de Mars et de Vénus (in English: Aerosols and clouds in the atmospheres of Mars and Venus)	Institut d'Astrophysique Spatiale (IAS) Orsay	2016
François Poulet	HDR thesis: Formation et Evolution du Système Solaire : exploration des surfaces planétaires	University of Versailles Saint-Quentin-en-Yvelines, Versailles, France	2008
Mathieu Vincendon	HDR thesis: Mars et des évolutions climatiques		2016
Amyeric Spiga	HDR thesis: Une plongée dans la dynamique méso-échelle des atmosphères planétaires		2016
Cathy Quantin	HDR thesis: Contribution à l'étude des processus géologiques à la surface des planètes à partir des données orbitales		2012

Frédéric Schmidt HDR thesis: Echanges de volatiles entre surface et atmosphère sur Mars

**SPICAM**

A. Fedorova	Remote sensing of aerosols in the planetary atmosphere and influence of aerosols on H2O bands in Mars spectrum	IKI, Ru	2004
S. Perrier		LATMOS, Fr	2007
J.Y. Chaufray		LATMOS, Fr	2008
S. Guibert	Study of the exosphere of Mars and the escape of water: modeling and analysis of the UV data of SPICAM	LATMOS, Fr	2005
Y. Willamme		IASB-BIRA, Be	2015
M. Chaffin	The H Corona of Mars	LASP, US	2016
A. Trokhimovskiy		IKI, Ru	2014
S. Guslyakova		IKI, Ru	>2015
Franck Montmessin	HDR thesis: Observation et Modélisation des Atmosphères de type Terrestre		2012

**PFS**

D. Grassi	Study and development of theoretical and software tools for the analysis of data from the Planetary Fourier Spectrometer on board of the Mars Express mission	IAPS/CISAS - Univ. of Padua	2004
A. Maturilli	Development of an acquisition chain for the Planetary Fourier Spectrometer on board the ESA Mars Express mission: from the planning of observations to the data analysis	IAPS/Univ. Napoli Federico II	2006
C. Fiorenza	Analysis of Mars atmospheric circulation using Planetary Fourier spectrometer data	Univ. degli studi di L'Aquila	2006
P. Wolkenmberg	Thermal structure of the atmosphere of Mars from selected measurements by the spectrophotometer PFS during the mission Mars-Express	IAPS/Space Research Center, Polich Academy of Sciences	2007
M. Tschimmel	Investigation of the atmospheric water cycle on Mars by the Planetary Fourier Spectrometer onboard Mars Express	MPS / University of Göttingen, Germany	2007
G. Rinaldi	Properties and role of aerosols in the Martian Atmosphere	IAPS/CISAS - Univ. of Padua	2007
M. d'Amore	Retrieval of dynamical parameters of Martian atmosphere from near infrared spectroscopic data coming from the PFS space spectrometer	IAPS/Univ. Napoli "Federico II"	2008
M. Giuranna	Composition and mechanisms of accumulation of ices over the Martian polar caps through analysis of Infrared spectroscopy of planetary atmospheres: Mars and Venus from PFS-MEX and VIRTIS-VEX data	IAPS/CISAS - Univ. of Padua	2008
V. Cottini	Dynamics and Distributions of Minor Species in the Martian Atmosphere by PFS/MEX Data	IAPS/Univ. Roma Tor Vergata	2009
G. Sindoni	Study of trace gases in the Martian atmosphere by Infrared Spectroscopy	IAPS/Univ. Roma "La Sapienza"	2013
S. Aoki		IAPS/University of Tohoku	2014
L. Zasova		IKI, Ru	

**ASPERA**

K. Brinkfeldt	Instrumentation for Energetic Neutral Atom Measurements at Mars, Venus, and the Earth	IRF/Umeå University, Umeå	2005
A. Grigoriev	The Neutral Particle Detector on the Mars and Venus Express Missions	IRF/Umeå University, Umeå	2007
E. Carlsson	Mars: plasma environment and surface hydrology	IRF/Luleå University of Technology, Luleå	2008
A. Ekenbäck	Numerical modeling of ENAs from stellar wind interactions	IRF/Umeå University, Umeå	2008
C. Dieval	Solar wind ions inside the induced magnetosphere of Mars	IRF/Luleå University of Technology, Luleå	2012
Shahab Fatemi	Kinetic Modeling of the Solar Wind Plasma Interaction with the Moon	IRF/Luleå University of Technology, Luleå	2013
A. Galli		University of Bern, Switzerland	2008
A. Schaufelberger	Investigation of the Solar Wind Interaction with the Lunar Surface	University of Bern, Switzerland	2012
E. Roussos		MPS/Technical University Braunschweig, Germany	2008
C. Martinecz		MPS/Technical University Braunschweig, Germany	2008
Anne Angsmann		MPS/Technical University Braunschweig, Germany	2011
Y. Soobiah		MSSL/University College London, UK	2009
Glyn Collinson		MSSL/University College London, UK	2010
Sharon Tsang		MSSL/University College London, UK	2012
Shannon Curry		University of Michigan, USA	2013
Tess McNulty	Oxygen Loss from Venus and the Influence of Extreme Solar Wind Conditions	University of California, Berkeley, USA	2012
Claire Ferrier	Interaction du vent solaire avec les planètes non-magnétisées : Mars et Vénus	CESR/UPS, Toulouse, France	2009
Miho Kanao		ISAS/University of Tokyo, Japan	2010
Riku Järvinen		FMI/University of Helsinki, Finland	2011
Gemma Guymier		University of Wales, Aberystwyth, UK	2011
Alessandro Mura		IFSI, Italy	2004
Benjamin E.S. Hall	Spatiotemporal Studies of the Martian Plasma Environment	University of Leicester	2017
Ramstad R	Ion escape from Mars: measurements in the present to understand the past	IRF, Kiruna	2017
Johnson, Blake	Mars' Energetic Plume Ion Escape Channel	Uni Michigan	2018

**MARSIS**

Daniela Biccari	Mars Radar Sounders	Università di Roma "La Sapienza", Rome, Italy	2004
Josephine Boisson	Martian subsurface characterization by low frequency radar survey and terrestrial analogy	Institut de Physique du Globe de Paris	2011
Annamaria Cereti	Laboratory investigation on soil electromagnetic properties for planetary space missions	Università degli Studi di Bologna, Bologna, Italy	2005
Andrea Cicchetti	Planetary radar sounder: MARSIS, Scientific Planning Requirement	Università di Roma "La Sapienza", Rome, Italy	2006
Alessandro Frigeri	Compressional structures on Mars: an integrated geophysical/geological study	Università degli Studi di Perugia, Perugia, Italy	2006
Cyril Grima		Université Joseph Fourier, Grenoble, France	
Sebastian Hegler		Technische Universität Dresden, Dresden, Germany	
Marcio Iorio		Università di Roma "La Sapienza", Rome, Italy	
Vassily Marchuk	Experimental methods of subsurface radio-sounding for the earth-type planets	Kotel'nikov Institute of Radioengineering and Electronics, Fryazino, Russia	2008
Marcio Mastrogiuseppe	Sounder Data Analysis for Mars Exploration	Università di Roma "La Sapienza", Rome, Italy	2013
Jérémie Mouginot	Processing and Analysis of the MARSIS data from Mars Express	Université Joseph Fourier, Grenoble, France	2008
Jean-François Nouvel	Sondage du sous-sol martien par un radar basse-fréquence depuis un satellite en orbite basse: analyses physiques et préparation des données	Université Joseph Fourier, Grenoble 1, France	2003
Michelle Selvans	Geophysical investigations of near-surface structure on the Earth and Mars	California Institute of Technology, Pasadena, CA	2011
Dmytro Vasylenko		Ruhr-University of Bochum, Bochum, Germany	
Mingyuan Wang		Shanghai Astronomical Observatory, Shanghai, P. R. China	
Xiaodong Wang		Peking University, Beijing, P. R. China	
Oliver L. White	The Influence of Environmental Conditions on Volcanic Processes on the Terrestrial Planets.	University College London, London, United Kingdom	2010
Olga Yushkova	Inverse problem in planet subsurface radio-sounding	Kotel'nikov Institute of Radioengineering and Electronics, Fryazino, Russia	2008
Hui Zhang		Technische Universität Dresden, Dresden, Germany	

**MaRS**

Stefan Remus			2005
Jörg Selle			2006
Christina Stanzel			2007
Tom Andert			2010
Kerstin Peter			2018

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