

CSILLA ORGEL

address Schwäbische Str. 27.
10781 Berlin
phone 0049 151 2585.1492
0049 30 838.70-583
e-mail orgel.csilla@fu-berlin.de

currently at Freie Universität Berlin (FUB)
Planetary Sciences and
Remote Sensing Group
Department of Earth Sciences
Malteserstr. 74-100, House D
12249 Berlin, Germany

CURRICULUM VITAE

EDUCATION

- 2016 – now Freie Universität Berlin, Planetary Sciences and Remote Sensing Group
Institute of Geological Sciences, Berlin, Germany
Graduate Program
- 2015 – 2016 Freie Universität Berlin, Planetary Sciences and Remote Sensing Group
Institute of Geological Sciences, Berlin, Germany
M.Sc. Geological Sciences – Specialized in Geodynamics and Geomaterials/Planetary
Sciences
M.Sc. thesis: Ice-related geomorphology in Promethei Terra, Mars: Observations and
implications for multiple climatic environments
- 2013 Freie Universität Berlin
Berlin, Germany
ERASMUS Scholarship (1 semester)
- 2011 – 2012 Eötvös Lorand University
Budapest, Hungary
M.Sc. of Geology (3 semesters)
- 2007 – 2011 Eötvös Lorand University
Budapest, Hungary
B.Sc. of Earth Sciences – Specialized in Geology
B.Sc. thesis: Analysis of river networks on delta plains based on satellite images
- 2002 – 2007 Munkacsy Mihaly High School
Kaposvar, Hungary
French – Hungarian Bilingual Class

PROFESSIONAL EMPLOYEMENT AND INTERNSHIPS

- 2018 NASA Marshall Space Flight Center
Position: Visiting Scientist
Project: Re-examination of the population, stratigraphy, and sequence of Mercurian basins: Implications for Mercury's early impact history and comparison with the Moon.
Experiences: geological mapping, crater-based age dating, crater statistics
Duration: 9 weeks
Supervisor: Dr. Caleb Fassett
- 2017 Westfälische Wilhelms-Universität Münster, Planetary Sciences Group
Position: Visiting Scientist
Project: Characterization of high-priority landing sites for the Chang'e-4 exploration mission in the Apollo basin, Moon.
Experiences: geological mapping, crater-based age dating, landing site analysis
Duration: 1 month
Supervisor: Prof. Dr. Harald Hiesinger, Dr. Mikhail Ivanov
- 2017– now Freie Universität Berlin
Project: Late Accretion onto Terrestrial Planets, TRR-170-A3/German Research Foundation
Position: Student Representative
- 2016 – now Freie Universität Berlin
Planetary Sciences and Remote Sensing Group
Institute of Geological Sciences, Berlin, Germany
Position: Research Assistant/PhD student
Project: Late Accretion onto Terrestrial Planets, TRR-170-A3/German Research Foundation
Experiences: geological mapping, crater-based age dating, quantitative methods, planetary geology
Supervisor: Dr. Greg Michael, Prof. Dr. Harry Becker, Prof. Dr. Harry Hiesinger, Dr. Carolyn van der Bogert
- 2016 Universities Space Research Association
Lunar and Planetary Institute
CLSE 2016 Exploration Science Summer Intern Program
Project: Traverse Design for Phase 2 of eDSH Enabled Lunar Missions Being Examined as an ISECG GER Mission Scenario
Experiences: landing site study, human and robotic exploration
Duration: 10 weeks
Supervisor: Dr. David Kring
- 2014 – 2015 Deutsches Zentrum für Luft und Raumfahrt (DLR), ERASMUS Training Program
Institut für Planetenforschung, Berlin, Germany
Position: Intern
Project 1: Mapping the northern plains of Mars: origins, evolution and response to climate change (International Space Science Institute, Switzerland)
Project 2: Evolution of mud volcanoes, thumbprint terrain and giant polygons in the northern lowlands of Mars: Case Study from the Acidalia Planitia
Experiences: geomorphological mapping, planetary geomorphology, GIS,
Supervisor: Ernst Hauber

- 2014 Alpbach Summer School
Alpbach, Austria
Topic: Geophysics of Terrestrial Planets
Project work: Geophysical mission to Venus
Experiences: mission planning, planetary geology – and geophysics
- 2014 – 2016 Freie Universität Berlin
Planetary Sciences and Remote Sensing Group
Institute of Geological Sciences, Berlin, Germany
Position: Student Intern
Project: Periglacial evolution of debris aprons at the mid-latitudes on Mars
Experiences: geological mapping, crater-based age dating, quantitative methods, planetary geology
Supervisor: Prof. Dr. Stephan van Gasselt
- 2013 Hungarian Academy of Sciences
Research Centre for Astronomy and Earth Sciences, Budapest, Hungary
Position: Student Intern
Project: Geochemical analysis of the NWA 4964 meteorite.
Experiences: Raman Spectroscopy, SEM, Cathode Luminescence, XRD
Duration: 2 months
Supervisor: Dr. Akos Kereszturi
- 2010 – 2013 Austrian Space Forum
PolAres Project, Innsbruck, Austria
Position: Volunteer
Experiences: Human Exploration, Field trips, Analog-Astronaut Training, Mission Control Center, Flight Planning, Science Team work, Organization of the first and second Geoscience Workshops.
Duration: 3 years
Project Lead: Dr. Gernot Grömer

PUBLIC OUTREACH AND EDUCATION ACTIVITIES

Writing for “Termesztet Vilaga”, Tetekas Nyuz (University Press), THE Magazin, THE Portal, Interpress Magazin, Index Portal (in Hungarian)

Talks at various, public platforms, such as Word Space Week, Budapest Science Meetup, Eötvös Lorand University, Hungarian Astronomical Association, Hungarian Astronautical Society, THE Roadshow, Lange Nacht der Wissenschaften (in Hungarian, German or English)

TRAINING AND FIELD WORK

- 2017 Impact Processes in the Solar System Summer School (short course)
19 – 22 June, German Research Foundation (SFB TRR-170), Nördlingen, Germany
- 2016 Planetary Geodynamics Winter School 2016 (short course)
21 – 23 November, German Research Foundation (SFB TRR-170), Hodenhagen, Germany

- 2015 Mid- VIS/NIR Spectroscopy of Mars (short course)
23 – 27 February, Freie Universität Berlin, Germany
- 2013 Impact geology field trip to Ries Crater, Germany
27 – 29 September, Naturkunde Museum, Berlin, Germany
- 2013 Introductory and Advanced Impact Geology (short course)
15 – 26 July, Naturkunde Museum, Berlin, Germany
- 2013 ILEWG EuroMoonMars project (Mars Desert Research Station)
23 February – 09 March, Hanksville, Utah
- 2011 Radar Remote Sensing Course (short course)
13 – 17 June, ESA/DLR/University of Szeged, Szeged, Hungary
- 2011 – 2012 Several Radio Magnetotelluric (RMT) and Vertical Electrical Sounding (VES) field trips
Nagybörzsöny – Zebegeny, Tally – Golop – Abaujszanto, Balatonhenye, Hungary
Geogold Karpatia Ltd.
- 2011-2013 Mars Analog Expedition: Austrian Space Forum/PolAres project
- Rio Tinto Mission 2011 (17 – 23 April, Rio Tinto Mine Area, Spain)
 - Dachstein Mars Simulation 2012 (27 April – 01 May, Giant Ice Cave, Dachstein, Austria)
 - Field reconnaissance expedition to SE – Morocco (Pre-MARS 2013 Mission),
 - MARS 2013 Mission (03 – 15 February, Erfoud, Morocco)
- Mission Control Center, Science team and Flight Control team, Innsbruck, Austria
- 2009 Hungarian Dinosaur Research Expedition
27 July – 16 August, Iharkut, Hungary
- 2007 – 2008 Several astronomical observations of asteroids
Hungarian Academy of Sciences, Piszkestető Observatory
- 2006 NASA International Space Camp
22 – 28 July, U.S. Space and Rocket Center, Huntsville, Alabama

AWARDS

- 2014 Student Travel Grant (Deutsches Zentrum für Luft und Raumfahrt, DLR)
Alpbach Summer School 2014, Austria
- 2014 Erasmus Training Program Scholarship (5 months)
Internship at Deutsches Zentrum für Luft und Raumfahrt, Berlin, Germany
- 2013 Award of the Association of Hungarian Women in Science
Category: Space Sciences
- 2013 Erasmus Scholarship (6 months)
Freie Universität Berlin, Germany

- 2012 Student Travel Grant (European Space Agency, ESA)
International Astronautical Congress (IAC), Naples, Italy
- 2011 1st Prize in the National University Science Student Conference
Session: Geomorphology
Nyiregyhaza, Hungary
- 2009 1st Prize in the Regional University Student Conference
Session: Geomorphology
Budapest, Hungary
- 2004 – 2007 Numerous High School Awards from the Hungarian Astronomical Association and the Hungarian Astronautical Society.

COMPUTER SKILLS

ArcGIS Software (with extensions, e.g. CraterTool, Polar Plot) – excellent
 Craterstats 2.0 – excellent
 MatLab – good (focus on thermodynamical problems)
 ENVI – fair
 ISIS – Planetary Image Processing Software - good
 Adobe Photoshop – good
 Adobe Illustrator – good
 CorelDraw Graphic Suite – excellent
 Microsoft Office applications – excellent

LANGUAGES

Hungarian (Native speaker)
 English (Full Professional Working Efficiency)
 German (C1 – CEFR Scale)
 French (C1 – CEFR Scale)

PROFESSIONAL ASSOCIATIONS

- 2016 – now American Geophysical Union (AGU) (member)
- 2012 – 2015 Hungarian Astronautical Society (board member)
- 2010 – now Austrian Space Forum (member)
- 2009 – 2010 ELTE, Student Union, Science Divison (member)
- 2004 – 2007 Hungarian Astronomical Association/Local Group in Kaposvár (founder)
- 2004 – now Hungarian Astronautical Society (member)
- 2003 – 2008 Hungarian Astronomical Association (member)

Last updated: 11/06/2018

CSILLA ORGEL

address Schwäbische Str. 27.
10781 Berlin
phone 0049 151 2585.1492
0049 30 838.70-583
e-mail orgel.csilla@fu-berlin.de

currently at Freie Universität Berlin (FUB)
Planetary Sciences and
Remote Sensing Group
Department of Earth Sciences
Malteserstr. 74-100, House D
12249 Berlin, Germany

BIBLIOGRAPHY

PEER-REVIEWED PAPERS

09. Riedel, C., Michael, G., Kneissl, T., **Orgel, C.**, Hiesinger, H., van der Bogert, C. H. 2018: A New Tool to Account for Crater Obliteration Effects in Crater Size-Frequency Distribution Measurements. *Earth and Space Science*, 10.1002/2018EA000383
08. **Orgel, C.**, Michael, G., Fassett, C. I., van der Bogert, C. H., Riedel, C., Kneissl, T., Hiesinger, H. 2018: Ancient bombardment of the inner Solar System – Reinvestigation of the “fingerprints” of different impactor populations on the lunar surface. – *Journal of Geophysical Research*, Vol. 123, Issue 3, 748–762, <http://doi.org/10.1002/2017JE005451>
07. Ramsdale, J. D., Balme, M. R., Conway, S. J., Gallagher, C., van Gasselt, S., Hauber, E., **Orgel, C.**, Sejourne, A., Skinner, J. A., Jr., Costard, F., Johnsson, A., Losiak, A., Reiss, D., Swirad, Z., Kereszturi, A., Smith, I., Platz, T. 2017: Grid-based mapping: a method for rapidly determining the spatial distributions of small features over very large areas. – *Planetary and Space Science* 140, 49-61.
06. Cross, M., Battler, M., Maiwald, V., van't Woud, H., Ono, A., Schlacht, I., L., **Orgel, C.**, Foing, B., McIsaac, K. 2016: Operational Lessons Learnt from the 2013 ILEWG EuroMoonMars-B Analogue Campaign for Future Habitat Operations on Moon and Mars. – *Acta Futura* 10, 61 – 73.
05. Losiak, A., Gołębiewska, I., **Orgel, C.**, Moser, L., MacArthur, J., Boyd, A., Hettrich, S., Wittek, S., Jones, N., Groemer, G. 2014: Remote Science Support during MARS2013: testing a map-based system of data processing and utilization for the future long-duration planetary missions. – *Astrobiology Journal* Vol.14 (5): 417 – 430, <http://doi:10.1089/ast.2013.1071>
04. Groemer, G. E., Soucek, A., Frischauf, N., Stumptner, W., Ragonig, C., Sams, S., Bartenstein, T., Haeuplik-Meusburger, S., Petrova, P., Evetts, S., Sivenesan C. and the **MARS2013 Team** 2014: The MARS2013 Mars Analog Mission. – *Astrobiology Journal* Vol.14 (5): 360 – 376.

03. Groemer, G. E., Foresta, L., Turetschek, T. and the **MARS2013 Team** 2014: A case for using ground-based thermal inertia measurements to detect Martian caves. – *Astrobiology Journal* Vol.14 (5): 431 – 437.
02. Groemer, G. E., Sattler, B., Weisleitner, K., Hunger, L., Kohstall, C., Frisch, A., Jozefowicz, M., Meszynski, S., Storrie-Lombardi, M. and the **MARS2013 Team** 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 Journal* Vol.14 (5): 391 – 405.
01. **Orgel, C.**, Kereszturi, A., Váczi, T., Groemer, G., Sattler, B. 2014: Scientific Results and Lessons Learned from an Integrated Crewed Mars Exploration Simulation at the Rio Tinto Mars Analogue Site. *Acta Astronautica* 94/2 (2014), 736-748. <http://doi:10.1016/j.actaastro.2013.09.014>

ABSTRACTS

44. **Orgel, C.**, Michael, G., Fassett, C. I., van der Bogert, C. H., Riedel, C., Kneissl, T., Hiesinger, H. 2018: The lunar basin sequence based on absolute model ages derived via Buffered Non-Sparseness Correction: Implications for impactor population(s). 49th Lunar and Planetary Science Conference, 19–23 March, Houston, TX, USA, Abstract #1395.
43. Riedel, C., Michael, G., **Orgel, C.**, Kneissl, T. 2018: An ArcGIS independent application to conduct crater size-frequency measurements with respect to crater obliteration effects. 49th Lunar and Planetary Science Conference, 19–23 March, Houston, TX, USA, Abstract #1478.
42. **Orgel, C.**, Ivanov, M. A., Hiesinger, H., Pasckert, J. H., van der Bogert, C. H., Michael, G. 2018: Characterization of high priority landing sites for the Chang’e-4 exploration mission to the Apollo Basin, Moon. 49th Lunar and Planetary Science Conference, 19–23 March, Houston, TX, USA, Abstract #1969.
41. Ivanov, M.A., Hiesinger, H., **Orgel, C.**, Pasckert, J. H., van der Bogert, C. H., Head, J. W. 2018: Geology of the northern portion of the SPA Basin on the Moon: Evidence for compositional stratification of the ancient lunar crust. 49th Lunar and Planetary Science Conference, 19–23 March, Houston, TX, USA, Abstract #1138.
40. Gross, C. **Orgel, C.**, Poulet, F., Carter, J., Horgan, B. and Bishop, J. L. 2018: ExoMars 2020: High priority science targets within the Mawrth Vallis candidate landing site. 49th Lunar and Planetary Science Conference, 19–23 March, Houston, TX, USA, Abstract #1405 (poster)
39. **Orgel, C.**, Michael, G., Fassett, C. I., van der Bogert, C. H., Riedel, C., Kneissl, T., Hiesinger, H. 2017: Ancient bombardment of the inner Solar System – Reinvestigation of the “fingerprints” of different impactor populations on the lunar surface. Paneth Kolloquium, Nördlingen, Germany (talk)
38. **Orgel, C.**, Michael, G., Kneissl, T. 2017: Ancient bombardment of the inner Solar System – Reinvestigation of the key lunar basins with a new crater counting approach, the buffered non-sparseness correction. 5th European Lunar Symposium, Münster, Germany (talk)
37. **Orgel, C.**, Allender, E. J., Almeida, N. V., Cook, J., Ende, J. J., Kamps, O., Mazrouei, S., Slezak, T. J., Soini, A. J., Kring, D. A. 2017: Landing site assessment for phase 2 of eDSH-enabled lunar missions being examined as an ISECG-GER mission scenario. 5th European Lunar Symposium, Münster, Germany (poster)
36. Mazrouei, S., Allender, E. J., Almeida, N. V., Cook, J., Ende, J. J., Kamps, O., **Orgel, C.**, Slezak, T. J., Soini, A. J., Kring, D. A. 2017: Exploration of South Polar region of the Moon: Tele-operated traverses. 5th European Lunar Symposium, Münster, Germany (poster)
35. **Orgel, C.**, Michael, G., Kneissl, T. 2017: Ancient bombardment of the inner Solar System – Reinvestigation of the “fingerprints” of different impactor populations on the lunar surface. 48th Lunar and Planetary Science Conference, 20–25 March, Houston, TX, USA, Abstract #1033 (talk)

34. Ende, J. J., Allender, E. J., Almeida, N. V., Cook, J., Kamps, O., Mazrouei, S., **Orgel, C.**, Slezak, T. J., Soini, A. J., Kring, D. A. 2017: Landing site assessment for phase 2 of eDSH-enabled lunar missions being examined as an ISECG-GER mission scenario. 48th Lunar and Planetary Science Conference, 20– 25 March, Houston, TX, USA, Abstract #1880 (poster)
33. Kamps, O., Allender, E. J., Almeida, N. V., Cook, J., Ende, J. J., Mazrouei, S., **Orgel, C.**, Slezak, T. J., Soini, A. J., Kring, D. A. 2017: Exploration of South Polar region of the Moon: Tele-operated traverses. 48th Lunar and Planetary Science Conference, 20– 25 March, Houston, TX, USA, Abstract #1909 (poster)
32. **Orgel, C.**, Michael, G., Kneissl, T. 2016: Ancient bombardment of the inner Solar System – Reinvestigation of the “fingerprints” of different impactor populations on the lunar surface. 2nd TRR-170 Project Annual Retreat Meeting (German Research Foundation), 24 – 25 November, Hodenhagen, Germany (talk)
31. **Orgel, C.**, Hauber, E., van Gasselt, S., Pozzobon, R., Skinner, J., Jr. 2016: Distribution, origin and evolution of hypothesized mud volcanoes, thumbprint terrain, small mounds and giant polygons: Implications for sedimentary processes in the northern lowlands of Mars: Case study from the Acidalia Planitia. Geophysical Research Abstracts Vol. 18, European Geosciences Union (EGU), EGU General Assembly, 17 – 22 April, Vienna, Austria, #EGU2016-1038-2 (poster)
30. van Gasselt, S., Rossi, A. P., **Orgel, C.**, Schulz, J. 2015: Estimates of denudation rates and implications for climate control, Phlegra Montes (Mars). Geophysical Research Abstracts Vol. 17, European Geosciences Union (EGU), EGU General Assembly, 12 – 17 April, Vienna, Austria, #EGU2015-4249
29. Hauber, E., **Orgel, C.**, van Gasselt, S., Reiss, D., Johnsson, A., Ramsdale, J. D., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., Kereszturi, Á., Platz, T., Séjourné, A., Skinner, J. A., Swirad, Z., Łosiak, A. 2015: Mapping Mars’ Northern Plains: Origin, evolution and response to climate change – A new overview of recent ice-related landforms in Acidalia Planitia. Geophysical Research Abstracts Vol. 17, European Geosciences Union (EGU), EGU General Assembly, 12 – 17 April, Vienna, Austria, #EGU2015-15566 (poster)
28. van Gasselt, S., Rossi, A. P., **Orgel, C.**, Schulz, J. 2015: Phlegra Montes, Mars: Chronology and denudation rates. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1371
27. **Orgel, C.**, Hauber, E., Skinner, J. A., Jr., Van Gasselt, S., Ramsdale, J. D., Balme, M. R., Séjourné, A., Kereszturi, A. 2015: Distribution, origin and evolution of hypothesized mud volcanoes, thumbprint terrain and giant polygons in Acidalia, Utopia and Arcadia Planitiae: Implications for sedimentary processes in the northern lowlands of Mars. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1862 (poster)
26. Skinner, J. A., Jr., Platz, T., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., van Gasselt, S., Hauber, E., Johnsson, A., Kereszturi, A., Łosiak, A., **Orgel, C.**, Ramsdale, J. D., Reiss, D., Séjourné, A., Swirad, Z. M. 2015: Mapping the northern plains of Mars: Using impact crater morphologies to resolve surface geology when contacts are sparse. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1700
25. Séjourné, A., Costard, F., Łosiak, A., Swirad, Z. M., Balme, M. R., Conway, S. J., Gallagher, C., Hauber, E., Johnsson, A., Kereszturi, A., **Orgel, C.**, Platz, T., Ramsdale, J. D., Reiss, D., Skinner, J. A., Jr., van Gasselt, S. 2015: Mapping the northern plains of Mars: origins, evolution and response to

climate change – A new overview of recent ice-related landforms in Utopia Planitia. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1328

24. Hauber, E., **Orgel, C.**, van Gasselt, S., Reiss, D., Johnsson, A., Ramsdale, J. D., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., Kereszturi, A., Platz, T., Séjourné, A., Skinner, J. A., Jr., Swirad, Z., Losiak, A. 2015: Mapping Mars' Northern Plains: Origin, evolution and response to climate change – A new overview of recent ice-related landforms in Acidalia Planitia. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1359 (poster)
23. Balme, M. R., Ramsdale, J. D., Conway, S. J., Gallagher, C., Kereszturi, A., Costard, F., van Gasselt, S., Hauber, E., Johnsson, A., **Orgel, C.**, Platz, T., Séjourné, A., Skinner, J. A., Jr., Swirad, Z., Reiss, D., Losiak, A. 2015: Mapping Mars' Northern Plains: Origin, evolution and response to climate change – A new overview of recent ice-related landforms in Arcadia Planitia. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1384
22. Ramsdale, J. D., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., van Gasselt, S., Hauber, E., Johnsson, A., Kereszturi, A., Platz, T., Séjourné, A., Skinner, J. A., Jr., Reiss, D., Swirad, Z., **Orgel, C.**, Losiak, A. 2015: Mapping Mars' Northern Plains: Origin, evolution and response to climate change – An overview of the grid mapping method. 46th Lunar and Planetary Science Conference, 16 – 20 March, Houston, TX, USA, Abstract #1339
21. Hauber, E., **Orgel, C.**, van Gasselt, S., Johnsson, A., Reiss, D., Ramsdale, J. D., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., Kereszturi, A., Platz, T., Séjourné, A., Skinner, J. A., Jr., Swirad, Z., Losiak, A. 2015: Latitude-dependence of landforms in the northern lowlands of Mars: Preliminary results from grid mapping of Acidalia Planitia. 3rd Planetary Cryosphere Workshop, 26 – 28 January, Nantes, France
20. Ramsdale, J. D., Balme, M. R., Conway, S. J., Costard, F., Gallagher, C., van Gasselt, S., Hauber, E., Johnsson, A., Kereszturi, A., Platz, T., Séjourné, A., Skinner, J. A., Jr., Reiss, D., Swirad, Z., **Orgel, C.**, Losiak, A. 2015: Mapping Mars' Northern Plains: Origin, evolution and response to climate change – An overview of the grid mapping method. 3rd Planetary Cryosphere Workshop, 26 – 28 January, Nantes, France
19. Séjourné, A., Costard, F., Losiak, A., Swirad, Z. M., Balme, M. R., Conway, S. J., Gallagher, C., Hauber, E., Johnsson, A., Kereszturi, A., **Orgel, C.**, Platz, T., Ramsdale, J. D., Reiss, D., Skinner, J. A., Jr., van Gasselt, S. 2015: Mapping the northern plains of Mars: origins, evolution and response to climate change – A new overview of recent ice-related landforms in Utopia Planitia. 3rd Planetary Cryosphere Workshop, 26 – 28 January, Nantes, France
18. **Orgel, C.**, van Gasselt, S., Kereszturi, A. 2015: Mapping of an ice-related intra-crater facies and its surroundings in Promethei Terra, Mars: Observations and implications for past climate environments using optical and thermal dataset. 3rd Planetary Cryosphere Workshop, 26 – 28 January, Nantes, France (talk)
17. **Orgel, C.**, van Gasselt, S., Kereszturi, A. 2014: Creep of ice and debris in Promethei Terra, Mars: Observations and implications for past climate environments in an impact crater infill using optical and radar dataset. EPSC Abstracts Vol. 9., European Planetary Science Congress, 07 – 12 September, Caiscais, Portugal, Abstract #EPSC2014-630-1 (poster)

16. van Gasselt, S., **Orgel, C.**, Schulz, J. 2014: The Erebus Montes, Mars- Investigation of Ages and Amazonian Erosion Rates. EPSC Abstracts Vol. 9, European Planetary Science Congress, 07 – 12 September, Caiscais, Portugal, Abstract #EPSSC-2014-530-1
15. Schulz, J., van Gasselt, S., **Orgel, C.** 2014: Phlegra Montes – Spatio-Temporal Distribution of Ice and Debris at Martian Mid-Latitudes. EPSC Abstracts Vol. 9, European Planetary Science Congress, 07 – 12 September, Caiscais, Portugal, Abstract #EPSC-2014-215-2
14. **Orgel, C.**, Kereszturi, A., van Gasselt, S. 2014: Analysis of ice-related intra-crater facies in Promethei Terra, Mars. Geophysical Research Abstracts Vol. 16, European Geosciences Union (EGU), EGU General Assembly, 27 April – 02 May, Vienna, Austria. Abstract #EGU2014-1042 (poster)
13. Schultz, J., van Gasselt, S., **Orgel, C.** 2014: Phlegra Montes Climate Geomorphology. Geophysical Research Abstracts Vol. 16, European Geosciences Union (EGU), EGU General Assembly, 27 April – 02 May, Vienna, Austria. Abstract #EGU2014-9355
12. **Orgel, C.**, Kereszturi, A., van Gasselt, S. 2014: Periglacial evolution of an mid-latitude impact crater infill in Promethei Terra, Mars. Wrochsop: The Second Martian Cryosphere Workshop, 10 – 12 February, Wroclaw, Poland (talk)
11. van Gasselt, S., Schulz, J., **Orgel, C.** 2014: Climate geomorphology of the Phlegra Montes remnant debris apron system. Wrochsop: The Second Martian Cryosphere Workshop, 10 – 12 February, Wroclaw, Poland.
10. **Orgel, C.**, Battler, M., Foing, B. H., van't Woud, H., Maiwald, V., Cross, M., Ono, A. and the EuroMoonMars Team 2013: Fluvial sediments, concretions, evaporates at Hanksville, Utah: An analogue field study for Gale crater, Mars. EPSC Abstracts Vol. 8, European Planetary Science Congress, 08 – 13 September, London, UK, Abstract #EPSC-2013-804 (talk)
09. **Orgel, C.**, Achorn, I., Losiak, A., Gołębiewska, I., Rampey, M., Groemer, G. and the OeWF PolAres Team 2013: Geological trainings for analogue astronauts: Lessons learned from MARS2013 expedition, Morocco. EPSC Abstracts Vol. 8, European Planetary Science Congress, 08 – 13 September, London, UK, Abstract #EPSC-2013-905 (talk)
08. Foing, B. H., Stoker, C., Ehrenfreund, P., Rammos, I., Rodriguez, L., Svendsen, Å., Oltheten, D., Nebergall, K., Battler, M., van't Woud, H., Bruneau, A., Cross, M., Maiwald, V., **Orgel, C.**, Elsaesser, A., Direito, S. O. L., Röling, W. F. M., Davies, G. R., EuroGeoMars 2009 Team, DOMMEX-ILEWG EuroMoonMars 2010-2013 Teams 2013: Results from Field Research Campaigns in Earth Extreme Environments. EPSC Abstracts Vol. 8, European Planetary Science Congress, 08 – 13 September, London, UK, Abstract #EPSC-2013-979
07. Losiak, A., Boyd, A., **Orgel, C.**, Moser, L., MacArthur, J., Gołębiewska, I., Wittek, S., Achorn, I., Rampey, M., Bartenstein, T., Jones, N., Hettrich, S., Terlevic, R., Groemer, G. 2013 Practical challenges and real time execution of maps and mission planning on a remote Mars Analog location in the Morocco 2013 Field Simulation (Austrian Space Forum). International Astronautical Federation, 64th International Astronautical Congress (IAC), 23 – 27 September, Beijing, China, Abstract #20081
06. Svendsen, Å., van't Woud, H., Samurovic, D., Nebergall, K., Battler, M., **Orgel, C.**, Stoker, C., Tolboom, I., Foing, B. H. and the Team EuroMoonMars 2013: EuroMoonMars Field Campaign: Geology traverse planning using orbital sub-m imagery. Research Abstracts Vol. 15, European

Geosciences Union (EGU), EGU General Assembly, 07 – 12 April, Vienna, Austria, Abstract #EGU2013-13616

05. Losiak, A., **Orgel, C.**, Moser, L., MacArthur, J., Gołębiowska, I., Wittek, S., Boyd, A., Achorn, I., Rampey, M., Bartenstein, T., Jones, N., Luger, U., Sans, A., Hettrich, S. 2013: The role of the Photogeologic Mapping in the Morocco 2013 Mars Analog Field Simulation (Austrian Space Forum). Research Abstracts Vol. 15, European Geosciences Union (EGU), EGU General Assembly, 07 – 12 April, Vienna, Austria, Abstract #EGU2013-11556
04. Foing, B. H., Stoker, C., Rodrigues, L., Svendsen, Å., Rammos, I., Zhao, T., Mangeot, A., Rai, B., Zamurovic, D., Direito, S., Davies, G. R., Ehrenfreund, P., Elsaesser, A., Roling, W., Martins, Z., Sephton, M., Zhavaleta, J., Thiel, C., Orzechowska, G., Kidd, R., Quinn, R., **Orgel, C.**, Nebergall, K., Battler, M., Cross, M., van't Woud, H. and the EuroGeoMars and EuroMoonMars MDRS Teams 2013: Astrobiology, Geology & Habitability Field Studies Supporting Mars Research. 44th Lunar and Planetary Science Conference, 18 – 22 March, Houston, TX, USA, Abstract #3057
03. **Orgel, C.** Kereszturi, A., Váci, T., Groemer, G., Sattler, B. 2012: Scientific Results and Lessons Learned from an Integrated Crewed Mars Exploration Simulation at the Rio Tinto Mars Analogue Site. International Astronautical Federation, 63rd International Astronautical Congress (IAC), 01 – 05 October, Naples, Italy, Abstract #IAC-12,A5,2,6,x15271 (talk)
02. **Orgel, C.** 2011: Analysis of cryokarstic surface patterns on debris aprons at the mid-latitudes of Mars. 42nd Lunar and Planetary Science Conference, 07 – 11 March, Houston, TX, Abstract #1305 (poster)
01. **Orgel, C.** 2010: Analysis of cryokarstic surface patterns on debris aprons at the mid-latitudes of Mars. International Astronautical Federation, 61th International Astronautical Congress (IAC), 27 September – 01 October, Prague, Czech Republic, Abstract # IAC-A3,3B.2 (talk)

REPORTS AND THESES

Poulet, F., Gross, C., Carter, J., Horgan, B., Orgel, C., Michalski, J., Audouard, J. 2017: Checklist for ExoMars2020 landing site: Mawrth Vallis. Report for ExoMars2020 3rd landing site workshop

Allender, E., N. V. Almeida, J. Ende, O. Kamps, S. Mazrouei, C. Orgel and A.-J. Soini 2016: Traverse Design for Phase 2 of eDSH Enabled Lunar Missions Being Examined as an ISECG GER Mission Scenario. Final Report, CLSE 2016 Exploration Science Summer Intern Program. Houston, Texas.

Orgel, C. 2016: Ice-related geomorphology in Promethei Terra, Mars: Observations and implications for multiple climatic environments. M.Sc. Thesis, Freie Universität Berlin, Germany (in English)

Battler, M., Cross, M., Maiwald, V., Ono, A., Orgel, C., van't Woud, H., Foing, B. 2014: Scientific studies, human-rover interactions, and technology demonstrations conducted by EuroMoonMars Crew 125 at a Gale Crater analogue site. International Astronautical Federation, International Astronautical Congress (IAC), 29 September – 03 October, Toronto, Canada. Paper #IAC-14,E5,3.3x27009

Orgel, C. 2013: Fluvial sediments, concretions, evaporates at Hanksville, Utah: An analogue field study for Gale crater, Mars. Final Geology Report of EuroMoonMars MDRS-125 project.

Orgel, C. 2011: Analysis of cryokarstic surface patterns on debris aprons at the mid-latitudes of Mars. Thesis for the National University Science Student Conference, Nyíregyháza, Hungary (in Hungarian)

Orgel, C. 2011: Analysis of river networks on delta plains based on satellite images.
B.Sc. Thesis, Eötvös Loránd University, Budapest, Hungary (in Hungarian)