

CURRICULUM VITAE ET STUDIORUM

Alessio Murana

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Current Position: Junior Scientist at International Research School of Planetary Sciences

EDUCATION

- April 2016 – **PhD in Sciences (curriculum Planetary Geology)** Università degli Studi “G. D’Annunzio” (PE) - Italy
- July 2012 – **Laurea Specialistica (M.D.) in Geological Sciences (curriculum Sedimentary Geology)** – Università degli Studi di Parma (PR) - Italy
- July 2008 – **Laurea di I livello (B.D.) in Geological Sciences** – Università degli Studi della Basilicata (PZ) - Italy

LANGUAGES

- **Italiano:** native
- **English:**

Understanding				Spoken				Written	
Listen		Read		Oral Interaction		Oral Production			
B2	Intermediate	C1	Advanced	B1	Intermediate	C1	Advanced	B2	Intermediate

Common European Framework of Reference for languages.

PROFESSIONAL EXPERIENCE

- September 2012, today – **ETSA research group, junior scientist (IRSPS)** – Study and analysis of Landing Site for ESA mission ExoMars 2016 - 2020
- September 2012, today – **Remote Sensing Technician and pilot for UAV (IRSPS)** – Data acquisition and process and pilot of light UAV for scientific purposes
- July 2007 – **Geotechnical Analysis Assistant (Geotecnologie srl BARI)** – Coordination and activities for drilling investigation near the Senise's dam (PZ) - Italy

CONFERENCES

- July 19th-23rd, 2015 – STRATI2015, Graz (Austria)
- September 16th-18th, 2013 – IX Forum Italiano di Scienze della Terra, Pisa (Italy)
- July 3rd-5th, 2013 – STRATI2013, Lisboa (Portugal)
- March 18th-22th, 2013 – 44th Lunar and Planetary Space Congress, The Woodlands (TX-USA)

PUBLICATIONS

- **Murana, A.** (2018). Geology of Danielson Crater, Mars. *Journal of Maps*, 14(2), 161-172.
- Baioni, D., Tramontana, M., & **Murana, A.** (2017). Amazonian thermokarst within a trough of Noctis Labyrinthus, Mars. *Geografia Fisica e Dinamica Quaternaria*, 40(1), 19-27.
- Komatsu G., Baker V.R., Arzhannikov S.G., Gallagher R., Arzhannikova A.V., **Murana A.** & Oguchi T (2016) - Catastrophic flooding, paleolakes and late Quaternary drainage reorganization in northern Eurasia. *International Geology Review*, 58 (14), pp. 1693-1722
- Komatsu G., Okubo C.H., Wray J.J., Ojha L., Cardinale M., **Murana A.**, Orosei R., Chan M.A., Ormö J. & Gallagher R. (2016) - Probable mud volcanoes in Chryse Planitia, Mars: updates on morphological, sedimentological and spectral studies. *47th Lunar and Planetary Science Conference, The Woodlands (TX-USA)*
- Komatsu G., Okubo C.H., Wray J.J., Ojha L., Cardinale M., **Murana A.**, Orosei R., Chan M.A., Ormö J & Gallagher R. (2016) - Small edifice features in Chryse Planitia, Mars: Assessment of a mud volcano. *Icarus*, 268, pp. 56-75
- **Murana A.**, Loizeau D., Quantin C., Lozac'h Loïc & Thollot P. (2015) - Multi-integrated methods to compile geological maps of planets. *2nd International congress on Stratigraphy STRATI2015, Graz (Austria)*
- Ori G.G., Aboudan A., Pacifici A., Cannarsa F., **Murana A.**, Portigliotti S., Marcer A. & Lorenzoni L. (2015) - The ExoMars 2016 Landing Site. *European Planetary Science Congress 2015, Nantes (France)*
- Baioni, D., **Murana, A.** & Tramontana M. (2014) - Amazonian thermokarst in Danielson crater, Arabia Terra region, Mars. *Planetary and Space Sciences*, 104b, pp. 310-317
- Baioni, D., **Murana, A.** & Hajna, N. Z. (2014) - Karstic morphology in northern Sinus Meridiani, Mars. *Geosciences Journal*, pp.1-8.
- Pacifici A., Ori G.G., Cannarsa F., **Murana A.**, Aboudan A., Portigliotti S., Marcer A. & Lorenzoni L. (2014) - Geological and Geomorphological Map of ExoMars 2016 Landing Site. *45th Lunar and Planetary Science Conference, The Woodlands (TX-USA)*

- Aboudan A., Pacifici A., **Murana A.**, Allemand P., Ori G.G., Marcer A., Portigliotti S. & Lorenzoni A. (2013) – Automatic Rocks Detection and classification on High Resolution Images of planetary surfaces. *AGU Fall Meeting Abstracts*
- **Murana A.**, Aboudan A., Pacifici A., Cannarsa F., Marcer A., Portigliotti S., Lorenzoni L. & Ori G. G. (2013) - Rock Automated Detection for Rock Abundance and safe landing. *IX Forum Italiano di Scienze della Terra, Pisa (Italy)*
- **Murana A.** & Kneissl T. (2013) - Stratigraphical analysis of the depositional sequence within Danielson Crater (Mars). *1st International Congress on Stratigraphy STRATI2013, Lisboa (Portugal) Ciências da Terra (UNL), no especial VII, p. 64*
- Salese F., **Murana A.**, Ori G. G., Pondrelli M. (2013) - Stratigraphical and Sedimentological Evidence for lacustrine-like basin (Southwest plateau of Juventae Chasma). *44th Lunar and Planetary Space Conference, The Woodlands (TX-USA), p.2321*
- Baioni D., **Murana A.**, Sgavetti M. (2012) - Ice-related features within Danielson Crater, Mars? *European Planetary Space Congress 2012, Madrid (Spain)*

MEMBERSHIPS

- **International Association of Sedimentologists** member since 2012
- **Società Geologica Italiana** member since 2017
- **Geological Society of America** member since 2014
- **American Geophysical Union** member since 2014