Stanford



Andrea Zorzi

Ph.D. Student in Geological Sciences, admitted Autumn 2020

Bio

BIO

Born in Venice, Italy, I earned my BSc in Aerospace Engineering at Università degli Studi di Padova in 2017. For my MSc degree, I moved to the Netherlands and graduated in Aerospace Engineering at TU Delft in 2019, focusing on space flight, planetary sciences and radiative transfer modeling. Afterwards, I spent a year at the Max Planck Institute for Solar System Research in Göttingen (Germany), conducting research on neural network applications for cometary gas expansion studies.

I've joined Stanford as a GS graduate student in Fall 2020 and I am part of the Planetary Modeling Group led by Prof. Schaefer.

My focus is on planetary impacts, how they affect the climate and chemical evolution of the atmospheres of planets in their early stages.

Personal website: https://azorzi.github.io/

EDUCATION AND CERTIFICATIONS

- MSc, TU Delft (Netherlands) , Aerospace Engineering (2019)
- BSc, Università degli Studi di Padova (Italy) , Aerospace Engineering (2017)

LINKS

- Personal Website: https://azorzi.github.io/

Publications

PUBLICATIONS

- **Coupled atmospHere Interior modeL Intercomparison (CHILI)-Protocol Version 1.0: A CUISINES Intercomparison Project of Magma Ocean Models** *PLANETARY SCIENCE JOURNAL*
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- **Modeling Atmospheric Alteration on Titan: Hydrodynamics and Shock-induced Chemistry of Meteoroid Entry** *ASTROPHYSICAL JOURNAL*
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- **Resilience of Snowball Earth to Stochastic Events** *GEOPHYSICAL RESEARCH LETTERS*
  Chaverot, G., Zorzi, A., Ding, X., Itcovitz, J., Fan, B., Bhatnagar, S., Ji, A., Graham, R. J., Mittal, T.
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- **Evolution of Neptune at near-infrared wavelengths from 1994 through 2022** *ICARUS*

Chavez, E., de Pater, I., Redwing, E., Molter, E. M., Roman, M. T., Zorzi, A., Alvarez, C., Campbell, R., de Kleer, K., Hueso, R., Wong, M. H., Gates, E., Lynam, et al

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- **Reevaluating Links Between Meteorite Impacts and Early Cenozoic Global Warming** *GEOPHYSICAL RESEARCH LETTERS*

  Zorzi, A., Tikoo, S. M., Beroza, G. C., Sleep, N. H.

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