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Constraints on planetary formation, accretion and differentiation from experimental petrology

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Curriculum Vitae

Edgar Sikko Steenstra was born on June 9, 1989 in Graft - de Rijp, the Netherlands. In 2009 he finished his high school studies at the Oscar Romero College in Hoorn, and started with the bachelor Earth and Economics at the Vrije Universiteit Amsterdam. In 2012, he earned his bachelor degree, combined with an extensive set of extra-curricular geology and geochemistry courses, required for attending the geology and geochemistry master at VU Amsterdam. In his master, he performed various experimental studies focused on understanding the systematics of iron-loving element partitioning behavior between metals and silicates.

In 2014, he earned his master degree (Cum Laude). In September of that year he started a PhD project that was focused on experimental petrology and its application to the Moon and other planetary bodies. During his PhD project, he visited several scientific institutes. In May 2015, he spent a four-month research visit at the Lunar and Planetary Institute in Houston, U.S., where he worked in a multi-disciplinary team to design robotic traverses for a NASA - ESA mission concept study. In July 2017, he spent a six-month research visit at the Geophysical Laboratory at the Carnegie Institution for Science, Washington to perform high-pressure experiments. Throughout his PhD, he also visited the Westfälische Wilhelms-Universität Münster at a regular basis to perform many different experimental and analytical studies.

In early 2018, he was awarded a postdoctoral fellowship at the Geophysical Laboratory, Carnegie Institution for Science in Washington D.C, where he started working from February 2019.

Awards and grants

- Pierazzo Student Travel Award (2015) from the Planetary Science Institute, Tucson, Arizona
- LPI Young Career Development Award (2017) from the Lunar and Planetary Science Institute, Houston, Texas
- Carnegie Postdoctoral Fellowship (2018), Geophysical Laboratory, Carnegie Institution for Science, Washington D.C.