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To Whom It May Concern

Zurich, January 13, 2021

Reference Letter for Jonas Bohn

To Whom It May Concern,

It is a pleasure for me to recommend Mr. Jonas Bohn based on his Studies on Mechatronics project.

As Jonas Bohn's supervisor during his five-month research project within the Robotic Systems Lab, I met with him weekly to monitor his progress and discuss the work. I was impressed with his engineering skills, dedication, and professional working attitude.

Within this project, he developed a robotics operations concept for an ISRU (In-Source Resource Utilization) mission to the moon. Within this mission, the robotic system's goal is to sample regolith from the lunar surface and perform various manipulation tasks with a reaction chamber placed on the lander. The robotics operation concept included the analysis and sequencing of the operation modes, which the system has to fulfill, and the first-order design of a robotic arm and various end-effectors. The overall solution had to be developed under stringent constraints such as reducing weight while maintaining a high level of safety and robustness.

Jonas Bohn did an extensive search on existing solutions and developed his personal ideas to generate novel concepts. He combined his creativity with a strong methodological workflow, during which he evaluated and iterated the concepts to find the best overall solution.

He is a quick learner and made himself acquainted with all the necessary tools and theories that he needed for his assignment and required only minimal support from my side. The outcome of the thesis, which was part of a larger R&D project with Airbus, was very well received by all parties and laid the foundation for the next project phase¹.

Besides his academic excellence, Jonas Bohn is also a great colleague to work with. I have gotten to know him as a very friendly, determined, reliable, and polite person. It was always a great pleasure to discuss the project with him. In closing, I would like to repeat my strong support for his application. I am convinced that he will be an excellent candidate and wish him all the best for his career.

Sincerely yours,



Hendrik Kolvenbach, Senior researcher

¹ <https://www.airbus.com/newsroom/press-releases/en/2020/10/roxy-turns-moon-dust-into-oxygen.html>