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Recommendation letter for Mr. José Luis Lima de Jesus Silva

To Whom It May Concern:

It is a pleasure to provide a recommendation letter to support the application of Mr. Silva. He has started his PhD studies in the Department of Physics and Astronomy at Uppsala University on February 2016 and his Thesis defence is scheduled to September 2020. I am his main supervisor. Mr. Silva's work is focused on the first-principles study of electrocatalysts, for energy conversion and storage, based on density functional theory. More specifically, he has worked on three main research lines: (i) the two-dimensional electro-catalysts for hydrogen evolution reaction; (ii) spectroscopy properties of C_3N_4 molecules in the gas phase and adsorbed on Au surface and (iii) spectroscopy properties of molecular catalysts in aqueous environment. He has already fulfilled all the credits of courses required in our doctoral program. He has achieved excellent progress in his research with six published papers in high-profile journals.

I would like to stress that Mr. Silva has a very nice personality. It is very easy to develop scientific discussions with him. Furthermore, he has acquired a solid knowledge on condensed matter physics and computational materials science. I could also notice his conceptual understanding, critical ability and technical capability.

I have no doubts that he will be able and willing to adapt very well to other situations he may find himself. I am therefore giving Mr. Silva my best recommendations for this academic position.

Sincerely Yours,

C. Moyses Araujo, PhD, Docent