



Diego Corona was born on 05/24/1987 in Rome, Italy. Graduated in Mechanical Engineering, he started working as a cad designer at the National Institute of Nuclear Physics of Frascati (INFN-LNF) in 2013. In 2015, he joined the Hypatia Research Consortium as a mechanical designer of electronic sources and research equipment for the deposition of thin films. Subsequently he contributed in the design of a pre-industrial line for the deposition of thin films of complex materials for the production of new generation photovoltaic cells in the Italian project "CIGS THIN FILMS".

From 2016 to today, having the role of technical manager of the advanced manufacturing department of the Consorzio di Ricerca Hypatia at Ketlab, he deals with design, production and development of PBF process for A.M. space components.

This activity is focused on the development of SLM processes with unconventional materials for RF applications, heat exchanger applications and space propulsion.

#### Projects:

- "Hollow Cathode for Electric Propulsion using Advanced Manufacturing Techniques" for the ITT ESA AO/1-9277/18/UK/ND Activity Reference 4B.137, ARTES Advanced Technologies.
- "IAMSPACE: Italy for Additive Manufacturing in SPACE" for the ITT of the European Space Agency AO / 1-10042 / 19 / NL / AR.
- "MAGIC" project presented to Lazio Innova S.p.A. in response to the "Strategic Projects" public notice. Definition of new methods of additive manufacturing and non-destructive control for space components
- "CIGS THIN FILMS". Italian national scientific project for the definition of a pre-industrial plant for the production of CIGS-based photovoltaic cells. "CIGS THIN FILMS". A national Italian scientific project.