

EDUCATION BACKGROUND

2017 - 2020 **BACHELOR IN CHEMICAL AND BIOCHEMICAL ENGINEERING**

At: Alma Mater Studiorum University of Bologna (Italy)

Thesis: Selective laser melting of copper and its alloy

2020 - 2023 **MASTER IN MATERIALS ENGINEERING**

At: University of Padova (Italy)

Thesis: Study of the effect of functionalization with inhibitors on the corrosion properties of PEO-coated additive manufactured components in aluminum alloy.



WORK EXPERIENCE

April – **RESEARCH ASSISTANT**

September
2023

At: University of Padova



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Journal of Materials Research and Technology

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Study of the effect of functionalization with inhibitors on the corrosion properties of PEO-coated additive manufactured AlSi10Mg alloy

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PhD PROGRAM

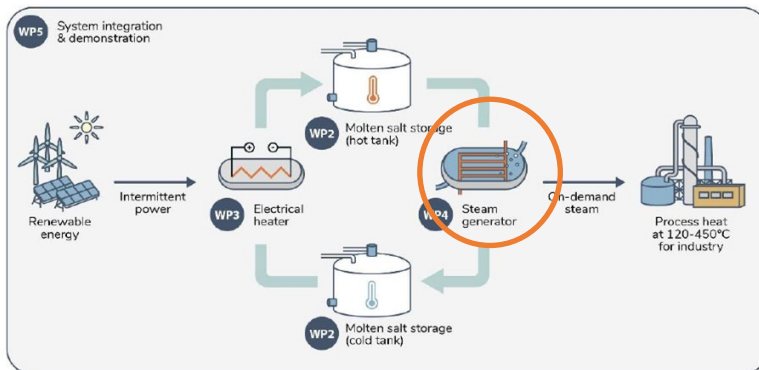
TOPIC: Development and optimization of components for thermal control in the field of nuclear fusion and fundamental research in Physics and Astrophysics through metal additive manufacturing

CURRICULUM: Meccanica

HOSTING UNIVERSITY/RESEARCH CENTRE: Università degli Studi di Padova (DFA) / INFN sezione di Padova

SUPERVISOR: Simone Mancin

LoCoMoSa: ADDITIVE MANUFACTURING OF A STEAM GENERATOR FOR THERMAL STORAGE



COMSOL
TOPOLOGY OPTIMIZATION MODULE

