Hybrid Metal 3D Printing Processes

PROJECT DESCRIPTION

"This project will look at utilizing 3D printing processes as intermediate process for investment casting and mechanical and quality control issues arising from it. The student will work with supervisor to develop and test a manufacturing process for investment casting while replacing the mold and pattern development part through 3D printing.

Requirements:
- Highly motivated, self-starting candidate with interest in metals/metallurgy
- Knowledge of casting processes
- Hands on experience of working with casting processes
- Knowledge of 3D printing processes
- Knowledge of solid modeling

FACULTY-DEPARTMENT

Engineering - Mechanical

DESIRED FIELD OF (STUDENT) STUDY

Material Sciences, Metallurgy, Mechanical, or Industrial Engineering

INTERNSHIP LOCATION

University of Alberta Main Campus - Edmonton

NUMBER OF INTERNSHIP POSITIONS

1

INTERNSHIP START DATE

January 2, 2018

INTERNSHIP END DATE

12 weeks from start date

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
University of Alberta International
intern@ualberta.ca
ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.

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