IAESTE AUSTRIA

WORK OFFER

Ref. No. AT-2023-5009LZ

Employer Information

Employer: Institute of Applied Physics/JKU Linz
Altenberger Str. 69

4040 Linz
Austria

Website:

Location of placement: Voestalpine Stahl GmbH/ JKU/ Linz
Nearest airport: Linz/Vienna
Working hours per week: 30.0
Working hours per day: 6.0

Number of employees: 10-15
Business or products: Applied Physics

Student Required

General Discipline: ENGINEERING, Other;PHYSICS;MATERIAL SCIENCES AND ENGINEERING

Field of Study: Technical Physics, Theoretical Physics, Material Science, Physical chemistry, Applied Physics

Completed years of study: 4

Student status requirements: not required

Language required: English Good (B1, B2)

Required Qualifications and Skills:

MATLAB

Matlab/Comsol, Team work, ICDL knowledge, Strong theoretical background
Advance level of experience with Matlab/ Comsol or any similar programming.
Basic knowledge in Finite element analysis, quantum theory is needed for this project

Other requirements:

Work Offered

The need for a closely defined surface texture on steel rolls used to produce steel sheet is described. Conventional Shot-blasting as a method of texturing is shown to be increasingly limited by lack of adequate process control and its inability to treat hard alloys. Electrodischarge texturing (EDT) is presented as an which overcomes the difficulties encountered with the traditional technique. The mechanisms controlling EDT are shown to depend on the peak current arising from the pulsed electric field applied between
the tool-electrode and the work-roll, the time for which the voltage pulse is applied, and the randomness of the discharges produced in the machining gap.
With this physical knowledge, we want to create a model based on the EDT parameter that can simulate the final textured product on the steel surface.
For this reason, we have to run as many experiments as possible in advance to test the behavior of the EDT electrical parameter on the surface roughness and peak count, then try to develop the model based on the experimental results.

Number of weeks offered:	20 - 24	*Working environment:*	Research and development;Office work
Within the months:	15-APR-2023 - 01-OCT-2023	*Gross pay:*	1200 EUR / Month
Or within:	-	*Deduction to be expected:*	approx. 20%
Company closed within:	-	*Payment method / time of first payment:*	Bank Transfer /
Latest possible start date:			

Accomodation

Canteen at work:	No		
Expected type of accommodation:	Student dormitory	*Estimated cost of lodging:*	350 EUR / Month
Accommodation will be arranged by:	IAESTE	*Estimated cost of living incl. lodging:*	750 EUR / Month

Additional Information

interview with employer

Nomination Information

Deadline for nomination: 19-FEB-2023

Date: 03-FEB-2023 *On behalf of receiving country:* IAESTE Austria

IAESTE CANADA

WORK OFFER

Ref. No. CA-2023-000024

Employer Information

Employer: Global West Development Ltd
Business Development

30 Topflight Drive
Suite 6
L5S 0A8 Mississauga
Canada

Website:

Location of placement: Mississauga, Ontario
Nearest airport: Pearson International Airport
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 5
Business or products: Development of Land into residential and commercial complexes

Student Required

General Discipline: BUSINESS, MANAGEMENT, AND MARKETING

Field of Study: International Finance.;.International Business/Trade/Commerce.;.International Marketing.

Completed years of study: 1

Student status requirements: Minimum of high school graduation.

Language required: English Good (B1, B2)

Required Qualifications and Skills:

Workshops | System Administration | Social Networking | Social Media Management | Digital Marketing

Candidate must have the knowledge of construction and land development. Must have experience and knowledge to explain the development opportunities to potential investors. Must be able to locate the international investors and do the target marketing.

Other requirements:

Interview is required.

Work Offered

Supervise the existing development projects. Create the marketing plan to attract the international investors to invest in the land development projects in Canada.

Number of weeks offered: 52 - 52

Within the months: 01-MAY-2023 - 30-APR-2024

Or within: -

Company closed within: -

Latest possible start date: 01-MAY-2023

Working environment: Office work;Field work

Gross pay: 4200 CAD / Month

Deduction to be expected: approximately 18%

Payment method / time of first payment: Bank Transfer / weekly

Accomodation

Canteen at work: No

Expected type of accommodation: Apartment

Accommodation will be arranged by: employer

Estimated cost of lodging: 1500 CAD / Month

Estimated cost of living incl. lodging: 2500 CAD / Month

Additional Information

18 - 35 year old nominees must be nationals from an IAESTE member country or from a country with a Youth Mobility Agreement (YMA) with Canada.

Nomination Information

Deadline for nomination: 17-FEB-2023

Date: 03-FEB-2023

On behalf of receiving country: IAESTE Canada

IAESTE SWITZERLAND

WORK OFFER

Ref. No. CH-2023-000258

Employer Information

Employer: ETH Zurich
Crop Science
FMG C 25, Eschikon 33
8315 Lindau
Switzerland

Website: www.kp.ethz.ch

Location of placement: Lindau
Nearest airport: ZRH
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 1
Business or products: Research

Student Required

General Discipline: AGRICULTURE AND FOOD SCIENCE
Field of Study: Plant Sciences, General.
Completed years of study: 2
Student status requirements: Non-EU/EFTA passport holder need to be enrolled during entire internship
Language required: English Good (B1, B2) Or
German Good (B1, B2)

Required Qualifications and Skills:

- Basic knowledge in crop physiology. Knowledge in the statistical package R is a plus
- Good grades
- Previous internship/practical experience required

Other requirements:

Work Offered

The Crops Science group provides the opportunity for a student internship and is happy to receive applications from people of any gender. The candidate will support actual experimental work in the field phenotyping (www.kp.ethz.ch/FIP) and the phenofly (www.kp.ethz.ch/phenofly) platforms of ETH Zurich. The student will work in an interdisciplinary research team comprising crop geneticists, remote-sensing specialists, phytopathologists and crop physiologists. The experiments take place on the experimental station in Lindau-Eschikon, with excellent connection to the center of Zurich by public transportation.
The internship includes breeding excursions, training in crop phenotyping and data processing (R). The candidate will learn a wide range of different techniques, e.g., how to handle phenotyping equipment in the field (LITERAL, fieldbook app, drones, PhotosynQ) or analyze seeds by means of image processing and near-infrared spectroscopy. The student will assist with
i) ground truthing for the calibration of the new, multi-view sensor head of the FIP,
ii) genotype screening of wheat, peas, oats, buckwheat, and soybean, and
iii) seed harvest and threshing.
Motivated and highly skilled students will be offered to actively participate in a research project and may contribute to data analysis in R.

Number of weeks offered: 16 - 18
Within the months: 15-MAY-2023 - 15-SEP-2023
Or within: -
Company closed within: -
Latest possible start date: 29-MAY-2023
Working environment: Field work
Gross pay: 2000 CHF / Month
Deduction to be expected: approx. 10 % Social security AHV/IV
Payment method / time of first payment: /

Accomodation

Canteen at work: Yes
Expected type of accommodation: Depending on availability, room in shared flat or student house
Accommodation will be arranged by: IAESTE LC Zurich
Estimated cost of lodging: 750 CHF / Month
Estimated cost of living incl. lodging: 1600 CHF / Month

Additional Information

Students with any NON-EU/EFTA nationality need for the visa and work permit an official letter from their university, confirming that the internship is compulsory (IAESTE Switzerland will apply for them).

Nomination Information

Deadline for nomination: 20-FEB-2023

Date: 03-FEB-2023 *On behalf of receiving country:* IAESTE Switzerland

IAESTE SWEDEN

WORK OFFER

Ref. No. SE-2023-23-CHA

Employer Information

Employer: Chalmers University of Technology
SE-412 96
Göteborg

Sweden

Website: http://chalmers.se

Location of placement: Torslanda, Gothenburg
Nearest airport: Landvetter
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 27000
Business or products: Education & Research

Student Required

General Discipline: CHEMISTRY AND CHEMICAL ENGINEERING
Field of Study: Analytical Chemistry.

Completed years of study: 3
Student status requirements: MSc level or graduated during the past year
Language required: English Excellent (C1, C2)

Required Qualifications and Skills:

Analytical Thinking

Knowledge in Aqueous Chemistry. Experience of laboratory work or at least being familiar with laboratory enviroment.

Other requirements:

Work Offered

Chemical work in the laboratory, preparation of the samples and analysis using different analytical equipment (after a proper training), processing obtained data, writing the reports and presentation of the results for the industrial partners.

Number of weeks offered: 8 - 24
Within the months: 01-MAR-2023 - 30-AUG-2023
Or within: -
Company closed within: -
Latest possible start date:

Working environment: Research and development
Gross pay: 17000 SEK / Month
Deduction to be expected: 25
Payment method / time of first payment: Bank Transfer /

Accomodation

Canteen at work: Yes
Expected type of accommodation: Apartment
Accommodation will be arranged by: student with the help from IAESTE LC Göteborg

Estimated cost of lodging: 6000 SEK / Month
Estimated cost of living incl. lodging: 12000 SEK / Month

Additional Information

Nomination Information

Deadline for nomination: 22-FEB-2023

Date: 03-FEB-2023 *On behalf of receiving country:* IAESTE Sweden