



WORK OFFER

Ref. No. CZ-2019-010024

Employer Information

Employer: University Centre for Energy Efficient Buildings at CTU
Trinecka 1024

273 43, Bustehrad
Czech Republic

Website:
Location of placement: Bustehrad
Nearest airport: Prague
Working hours per week: 40.0
Working hours per day: 8.0

Number of employees: 200

Business or products: Science and research

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES
14-ENGINEERING

Completed years of study: 4

Field of Study: 11.0101-Computer and Information Sciences, General.
11.0202-Computer Programming, Specific Applications.
11.0601-Data Entry/Microcomputer Applications, General.
14.0903-Computer Software Engineering.
14.1099-Electrical, Electronics and Communications Engineering, Other.

Language required: English Good Or
Czech Fair

Required Knowledge and Experiences:

Other requirements:

- Energy control systems overview
- Basic knowledge of predictive control, decision trees or discrete simulation is advantageous
- Programming skills are welcome (MATLAB)
- Shallow knowledge of vectors and matrix count
- Team spirit, open minded, responsible

Work Offered

We are offering a work in a specialized international team of young researchers that participates on innovative project connected with using renewable energy especially solar energy, specifically we are interested in energy control systems. Your task will be to help us develop system for efficient energy usage inside the building. The building is expected to be equipped with high-tech energy production-management-storage capabilities and connected to a smart grid. The aim is to use the energy produced by renewable (typically solar energy) preferably inside the building. Also balancing parameters of inhabitants' comfort, overall economy and resiliency of the system is necessary.

Number of weeks offered: 16 - 52

Working environment: Research and development

Within the months: 01-APR-2019 - 01-APR-2020

Gross pay: 15,000 CZK / Month

Or within: -

Deduction to be expected: 0 %

Holidays: -

Payment method / frequency: /

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 6,000 CZK / Month

Accommodation will be arranged by: IAESTE

Estimated cost of living incl. lodging: 10,000 CZK / Month

Additional Information

Nomination Information

Deadline for nomination: 31-MAR-2019

Please send nominations by Exchange Platform

Date: 16-JAN-2019

On behalf of receiving country:

Milan Solik