

# Rafal Lukaszewski

MSc in Energy Engineering



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Relocating for opportunity



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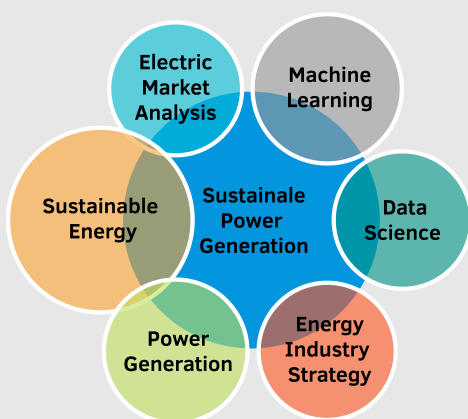


rafallukaszewski



3HeadedMonkey

## Interests



## Skills

Python • Pandas • Skit-Learn

Microsoft Office • Matlab

Data Science • Machine Learning

Nuclear energy • Power Engineering

## Languages

• Polish (Native)

• English (Fluent)

• French (Fluent)

• German (Basic)

## Education

### Double Master Dergree in European Master in Nuclear Energy(EMINE)

EIT - InnoEnergy Dual Degree Program

#### INP, Grenoble Institute of Technology:

08.2017-08.2018

Master Sciences et Génie des Matériaux(Master of Sciences)  
France

Grenoble,

*Thesis:* Modélisation thermique d'un four d'essai sur combustibles irradiés à hautes températures.

*Relevant courses:*Material Science, General approach to energy, , Description and operation of NPP

#### KTH, Royal Institute of Technology:

08.2016-08.2017

Teknologie masterexamen (Master of Sciences)  
Sweden

Stockholm, Swe-

*Relevant courses:*Electric market analysis, Industrial management,Behavioural management Leadership for Safety in the Nuclear Energy Industry

### Ing. in Power Engineering

10.2012-02.2016

PWr, Wroclaw University of Technology  
Poland

Wroclaw,

*Thesis Project* of a solar thermal dish collector

*Relevant courses:* Metrology, Automatics, Thermohydraulics

## Experience

### FEM Calculations Intern

Apr - Sep

2018

CEA Cadarache

Saint Paul-lez-Durance, France

Developed a good understanding of a test furnace calibration technique by redesigning its digital heat flow model, using COMSOL.

### Power Generator Factory Intern

July - Aug 2015

Alstom Power

Wroclaw, Poland

Organized work-flow and assisted in eliminating bottlenecks of stator model line for power generators.

## Additional courses and summer schools

### Management Summer School

July 2017

Grenoble Ecole de Management

Grenoble, France

Core subjects: Energy economics, Strategy and Innovation in the Energy Sector, Intellectual Property Strategy

### Online Learning courses

March-October 2018

Accomplished popular Stanford University Machine learning course using Matlab

University of Michigan course on data science and data visualization in python

Additionally between February-June 2016 on Wroclaw University of Technology I've accomplished following relevant courses: Macroeconomic modeling, Theories and practice of prognosis (using Gretl) and Energy Management

## Extra-curricular activities and scholarships

### IAESTE, International association for exchange students for technical experience

Coordinated local Job Raising Project 2015 by organizing work of a group of 30 and sustaining good cooperation with industry representatives.

Assisted in industry-led series of case study courses (Case Week Project)

### Scholarships

Innoenergy student scholarship, PWr Special Scientific Scholarship