



IAESTE POLAND

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WORK OFFER

Ref. No. PL-2019-PKR014

Employer information

<i>Employer:</i>	Cracow University of Technology, Faculty of Mechanical Engineering al. Jana Pawła II 37 30-001 Krakow Poland	<i>Website:</i>	www.mech.pk.edu.pl
		<i>Location of placement:</i>	Krakow
		<i>Nearest airport:</i>	Krakow (KRK)
<i>Number of employees:</i>	200	<i>Working hours per week:</i>	30
<i>Business or products:</i>	Mechanical Engineering	<i>Working hours per day:</i>	6

Student Required

<i>General Discipline:</i>	14D - MECHANICAL ENGINEERING	<i>Completed years of study:</i>	2
<i>Field of Study:</i>	14.4201 - Mechatronics, Robotics, and Automation Engineering 14A - ENGINEERING, Other 14.3501 - Industrial Engineering	<i>Language required:</i>	English Fair

Required Knowledge and Experiences:

Other requirements:

Work offered

1. Symbols of elements in hydraulic and pneumatic systems.
 2. Construction of diagrams in hydraulic and pneumatic systems.
 3. Drive and control system in hydraulic and pneumatic.
 4. Construction of hydraulic and pneumatic installations.
 5. Electrical control systems in industrial hydraulics and mobile hydraulics.
 6. PLC controllers - application on the example of pneumatic systems.
 7. Construction of measurement system using an analog-digital card.
 8. Measuring sensors in measuring and diagnostic of machines and devices.
 9. Selected problems of automation of machines and devices.
 10. The possibility of using programs:
 - a) FluidSim - construction of pneumatic and electropneumatic diagrams;
 - b) SimulationX - construction and simulation of pneumatic and hydraulic systems;
 - c) Matlab / Simulink - construction and simulation of control and measurement systems;
 - d) VisioLogic - programming of Unitronics PLC controllers;
 - e) Plus + 1 - programming of Danfoss controllers;
 - f) Service Master and Diagnostics Instruments - diagnosis of hydraulic systems;
 - g) LabView - analog-digital system;
 - h) CAD systems - DraftSight(2D), SolidWorks and SolidEdge(3D);
- Laboratory and computer work

<i>Number of weeks offered:</i>	6 - 6	<i>Working environment:</i>	Research and Development
<i>Within the months:</i>	2019/06/17 - 2019/09/13	<i>Gross pay:</i>	1680.00 PLN / per month
<i>Holidays:</i>		<i>Deduction to be expected:</i>	20%
		<i>Payment method / frequency:</i>	Bank transfer or cash / Monthly

Accommodation

<i>Canteen at work:</i>	Yes	<i>Estimated cost of lodging:</i>	500.00 PLN / per month
<i>Expected type of accommodation:</i>	StudentDormitory	<i>Estimated cost of living incl. lodging:</i>	1200.00 PLN / per month
<i>Accommodation will be arranged by:</i>	IAESTE		

Nomination Information

<i>Deadline for nomination:</i>	2019/03/31	<i>Please send nominations by</i>	Exchange Platform
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Wingę Ubawę