Thermal Control Simulation Engineer (00266460)

Information about Honeywell:
Honeywell Technology Solutions (HTS) dynamically expands activities in research and development (R&D) centre in Brno, Czech Republic. Established in 2003, this is the largest R&D centre in Europe for Honeywell. Our engineers and scientists develop products and technologies that are linked to our business units: Aerospace, Automation and Controls Solutions and Transportation Systems.

This position is a part of Automation and Control Solutions (ACS) group, whose products and technologies are utilised in more than 150 million homes and 10 million buildings around the world.

The key responsibilities will include:
As a Thermal Control Simulation Engineer, you will be responsible for capturing requirements, setting up models/simulations, consulting in test development and execution, and analyzing performance of control algorithms.

- Model and analyze thermal control algorithms to meet product requirements
- Utilize models to simulate and optimize performance in existing products
- Predict performance of new product thermal performance based on simulation and make recommendations to design engineers
- Perform thermal testing to verify that prototype devices performance is consistent with the simulation and iterate the design solution
- Interface with international engineering resources
- Address comfort control field Issues.

Requirements:
- At least Bachelor Degree in Electrical, Mechanical or Controls Engineering or related field
- 5+ years experience modeling thermal systems
- Expertise in control theory
- Experience modeling thermal attributes of complex, dynamic electronic devices and their enclosures
- Proficiency with Six Sigma and DOE tools
- Knowledge of residential heating/cooling applications
- Fluent in MATLAB/Simulink or similar tools for simulation of dynamic thermal processes
- Experience with feedback control theory, system modeling, and thermodynamics/heat transfer
- Ability to map system control requirements into a control design and sensor specification to meet overall system requirements

We offer:
- Permanent full-time employment with opportunity to be a part of one of the most interesting Honeywell teams
- Friendly work environment
- Extensive training program
- Motivating salary
- Wide range of company benefits (5 weeks holiday, semi-flexible working hours, …)

Honeywell information:


Please refer to internal Hiring Policy for internal selection process guidelines.

Contact:
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- Enterprise: http://honeywell.com/Pages/Home.aspx
- Culture Video: http://www.youtube.com/watch?v=CcMf_TFS0kA
- Career Site: www.careersathoneywell.com