



Web site for additional job details: <http://b202ek.cyf.cz>

### Requirements

#### Required Education Level

|              |                   |
|--------------|-------------------|
| Degree       | PhD or equivalent |
| Degree Field | Engineering       |

|              |                   |
|--------------|-------------------|
| Degree       | PhD or equivalent |
| Degree Field | Mathematics       |


|              |                   |
|--------------|-------------------|
| Degree       | PhD or equivalent |
| Degree Field | Physics           |

#### Required Languages

|                |           |
|----------------|-----------|
| Language       | ENGLISH   |
| Language Level | Excellent |

#### Additional Requirements

1. Proven abilities of publishing the results of R&D are the most important criterion for applicant's assessment.
2. Specific experience with CAE simulation methodology (Finite Element Method (FEM), Computational Fluid Dynamics (CFD) or Multi-Body Simulation (MBS) in connection to CAD (Creo or Pro/Engineer, Catia v5) is an advantage.
3. Specific experience with CAE simulation software (FIRE, GT Suite, Fluent) is an advantage.
4. Expertise with multi-domain system modeling (behavioral 1D up to detailed 3D) and/or multi-attribute optimization is an asset.
5. Knowledge, experience and skills in the field of experimental investigation of combustion engines and motor vehicles are an advantage.
6. Knowledge of programming languages (Fortran, VisualBasic, C++) and/or knowledge of Matlab are an advantage.



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