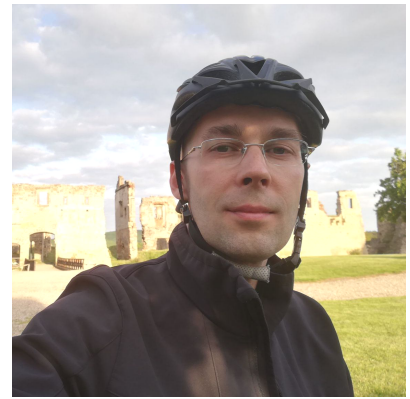# Ing. IHOR MIRZOV, PhD

Research engineer (nuclear and automotive industries).

Always seeking for the most elegant solution.

Smart, intelligent, strict, punctual, accurate.

Age 40, IQ 124, speak 4 languages, ISTJ.

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MAIN SKILLS

R&D, complex problem solving.

Python, C + wide programming experience since 1992.

Abaqus: non-linear FEA with Fortran subroutines.

See details in:

- LinkedIn
- Research Gate
- Google Scholar
- GitHub

EDUCATION

2008–2016: PhD "Stress-strain state of the VVER-1000 RPV internals"
2002–2008: Moscow Institute of Physics and Technology

EMPLOYMENT

2019–Now: CAE Project Engineer at Applus IDIADA
- FE analyses for automotive industry, research projects, python scripting.

2020–Now: Programmer at Skoda Design (externist from IDIADA)
- Light orchestration, Arduino, Embedded C, Autodesk VRED, Blender, VR etc.
- The whole Design department relies on my tools and scripts.

2016–2019: R&D specialist at UJV Řež a.s.
- Non-linear SIMULIA Abaqus models with Fortran user subroutines, stress-strain state with radiation creep and swelling, thermal transients, strength assessment.
- Supported Czech and Ukrainian nuclear power plants.
- Python scripting, data processing, FE models pre- and post-processing.

2007–2016: Research specialist at Paton Electric Welding Institute
- Matlab/Octave scripting for scientific spatial data processing.
- Welding simulation, strength assessment of operating Ukrainian NPP components. Static strength, fatigue, thermal shock.