

Curriculum Vitae

Ing. Petr Novák, Ph.D.

Researcher at New technology - Research centre in the University of West Bohemia

Born: 18th January 1982
e-mail: petrnov@ntc.zcu.cz
Address: Francouzská 1899/40, Plzeň 326 00, Czech Republic

EDUCATION

2007 – 2012 University of West Bohemia

Ph.D. in Plasma Physics and Physics of Thin Films

2002 – 2007 University of West Bohemia

Master's degree in Applied Physics and Physical Engineering

2011 – 2012 Course

Technology Transfer Manager - advanced commercialization of research and development
Week-long educational stay: ISIS innovation limited Oxford

SCIENTIFIC EXPERIENCE

2010 – Present

Researcher at Researcher in New Technologies – Research Centre, Department of Physics, University of West Bohemia

- Investigation and optimization of sputtered transparent conductive AZO films
- Investigation of Laser induced transformation of amorphous silicon
- Fabrication of ZnO based piezogenerators

2007 – 2010

Research assistant at the Department of Physics, University of West Bohemia

- Magnetron sputtering of amorphous carbon based thin films for tribology
- Sputtering of molybdenum oxynitrides films for high temperature tribology

FOREIGN INTERSHIPS

2016 Queen Mary University of London – Week-long internship focused on preparation of ZnO nanorod-based piezogenerator. Co-operation was subsequently signed and two joint publications published in impacted journals.

2016 Uppsala Universitet – one month long intership focused on the magnetron sputtering of cerium oxide thin films with hydrophobic properties.

2018 TU Darmstadt - Week-long internship focused on preparation of TCO

OTHER WORK EXPERIENCE

2018 – 2020 Physics lecturer at Scintio s.r.o. (Czech republic)

LANGUAGE SKILLS

English (Intermediate), German (Elementary), Italian (elementary)