

Curriculum vitae

Applicant: Ing. Filip Průša, Ph.D.

Born: 18.04.1985 in Pelhřimov, Czech Republic

University education:

2009-2016: Postgraduate studies on University of Chemistry and Technology Prague, Czech Republic.

Branch of study: Metallurgy.

PhD thesis: Aluminium alloys with transition metals and rare earth metals prepared by powder metallurgy.

2007-2010: Bachelor studies on University of Chemistry and Technology Prague, Czech Republic.

Branch of study: Process Engineering, computer science and management.

Bachelor thesis: Evaluation of transport packaging for products of the chemical industry.

2007-2009: Master studies on University of Chemistry and Technology Prague, Czech Republic.

Branch of study: Metallic materials.

Master thesis: High-temperature oxidation of Ti-Al-Si alloys produced by reactive sintering.

2004-2007: Bachelor studies on University of Chemistry and Technology Prague, Czech Republic.

Branch of study: Chemistry and technology of materials.

Bachelor thesis: Production technology of hydrogen storage alloys.

Language skills: English, German, Czech (mother tongue)

Professional career:

2016- : Assistant professor at the Department of Metals and Corrosion Engineering, University of Chemistry and Technology Prague

2009-2016: Research worker at the Department of Metals and Corrosion Engineering, University of Chemistry and Technology Prague

2011-2013: Member of the Grant Council of the University of Chemistry and Technology Prague.

Research activities:

Physical metallurgy, rapid solidification including centrifugal atomization and melt-spinning technology, mechanical alloying, scanning and transmission electron microscopy, mechanical testing, spark plasma sintering, glow discharge spectroscopy, tribology.

Teaching activities:

Materials Degradation, Corrosion and degradation of metals, User Software for Restoration, Laboratory of scanning electron microscopy and glow discharge spectroscopy, Laboratory of thermal treatment of steels and aluminium alloys, Laboratory of powder metallurgy and spark plasma sintering, Laboratory of rapid solidification.

Research projects:

Applicant and active member of several projects including projects of Czech Science Foundation (3x), National Competence Centers (1x), Technology Agency of the Czech Republic (1x), Ministry of the Interior of the Czech Republic (1x), European Commission (1x) and of internal projects founded by the University of Chemistry and Technology Prague (10x).

Summarized results of publication activities (according to WoS):

Author and co-author of 44 publications in impacted journals, and of 22 contribution in conference proceedings with total of 256 citations and h-index: 10.