

Curriculum Vitae

Personal Information:

Name: Dipl. Ing. Martina Petranikova, PhD.
Email: martina.petranikova@chalmers.se
Gender: Female

Education

Doctoral degree:
2008 – 2012 Technical University of Kosice, Faculty of Metallurgy, Department of Non-Ferrous Metals and Waste Treatment

Work experience

May 2015 – now Assistant professor
Chalmers University of Technology, Department of Chemistry and chemical Engineering, Industrial Materials Recycling

January 2013 – May 2015 postdoctoral position
Chalmers University of Technology, Department of Chemical and Biological Engineering, Industrial Materials Recycling

2008-2012 Centre of Waste Processing
Department of Non-Ferrous Metals and Waste Treatment, Faculty of Metallurgy, Technical University of Kosice

June - August 2012 Hellenic copper mines, Ltd
Skouriotissa, Cyprus

June – September 2011 Norilsk Nickel Harjavalta, Oy
R&D department
Harjavalta, Finland

Teaching activities:

- 2008- 2016
- *supervision of 4 bachelor and 3 diploma students*
 - *co-supervision of 3 PhD students*
 - *full supervision of 1 PhD student*
 - *teaching seminars* such like: Non- ferrous metals, Industrial waste processing, Solvent Extraction
 - *giving the lectures* such as: Waste management
 - *supervision of students during several study trips*
 - *supervision of international students during the internships*

Co-operation and co-ordination on the projects:

2012-now

- **Enviree** (ENVironmentally friendly and efficient methods for extraction of Rare Earth Elements from secondary sources) - 7th Framework Programme (2014-2017) – *work package leader*
- **Apples** (Advanced, high Performance, Polymer Lithium batteries for Electrochemical Storage) - 7th Framework Programme (2007-2013) – *advisor and pilot plant design development*
- **Development of two hydrochemical pilot scale processes** – VINNOVA (2012-2014) – *one of two main researchers*
- **Hydrochemical and pyrochemical recycling of metals from batteries** – Energimyndigheten/ Batterifondsprogrammet (2013-2015) – *one of two main researchers and co-ordination*
- **Recycling Processes for Alkaline and Zn-C Batteries** - Energimyndigheten/ Batterifondsprogrammet (2014-2017) – *one of two main researchers and co-ordination*
- **Flexible and efficient (hydrometallurgical) recycling of Li-ion batteries of different chemistry** - Energimyndigheten/ Batterifondsprogrammet (2015-2018) – *supervision and co-ordination*
- **Recovery of valuable metals from EAF steel making dust by hydrometallurgy – Vinnova (2015)** - *one of two main researchers and co-ordination*

Publications:

- 7 peer-reviewed,
- 3 International reviewed proceedings,
- 2 Non peer reviewed publications with international coverage,
- 7 Articles published in the International proceedings
- 1 book chapter

Other merits:

Member of organizing committee: Science and Technology day 2016, Chalmers University of Technology

Member of the project team: - “Steel Park 2013” – project under the auspices of US Steel Kosice, s.r.o.

Member of organizing committee:

- 1. International Conference Recycling of spent portable batteries and accumulators, 21-24th April 2009, Sklené Teplice, Slovakia
- Kammel’s Quo Vadis Hydrometallurgy 6, 4-7th June 2012, Herlany, Slovakia