

WORKSHOP

"Green deal and circular economy challenges of rare earth-based permanent magnets (PMs) with technical aspects"

Agenda for Monday, 12th of December 2022

8:30-9:15 Introduction (Round table)

Panelists: Milan Grohol (DG Grow, EC), Roland Gauss (EIT RM), Dr. Carlo Burkhardt HSPF Germany, Badri Veluri (Grundfoss, REIA), Prof. Kristina Žužek (JSI)

Moderator: Sibila Borojević Šoštarić (UNIZG RGNF)

9:20-10:05 Green deal and circular economy challenges of rare earth-based permanent magnets (prof. Dr. Carlo Burkhardt, HSPF Germany)

10:05-10:20 Coffee break

10:20-11:05 Magnetic Theory, Electromagnetism, Ferromagnetism, (Prof. Dr. Kristina Žužek IJS, Slovenia)

11:05-11:50 Rare earth-based permanent magnet properties, their production and recycling routes (Dr. Tomaž Tomše IJS, Slovenia)

11:50-12:35 Industrial aspects of sustainable production of permanent magnets (Dr. Milana Karajić, Magneti d.d., Slovenia)

12:35-13:35 Lunch break (and time for online assessment)

13:35-14:20 Applications (and reuse) of permanent magnets (Jean-Marc Dubus or Louis Charles, France)

14:20 -15:05 Life Cycle Assessments of PMs (Steve Harris, IVL Swedish Environmental Research Institute, Swedish)

15:05-15:20 Coffee break

15:20-16:05 Final discussion (Kristina Žužek Rožman, Tomaž Tomše, Milana Karajić, Steve Harris, Jean-Marc Dubus or Louis Charles)