Honorary Doctor Seminar: Sustainable Materials and Materials Processing

November 17th at 9 -15
PFI, Auditorium, Høgskoleringen 6b
Organizers: SFI PhysMet

PROGRAM

0900	Welcome and brief presentation of SFI PhysMet by Knut Marthinsen, NTNU
0915	Making sustainable metals with focus on aluminum by Honorary Doctor Dierk Raabe, Max Planck Institute
1000	**Break**
1015	Aluminium on a nano scale by Randi Holmestad, NTNU
1040	Multi-scale modelling for sustainable materials development by Yanjun Li, NTNU
1105	Physical metallurgy studies of selected sustainable materials by Marisa di Sabatino, NTNU
1130	**Break**
1145	Reducing use of resources by innovative joining technologies of metals by Magnus Eriksson, SINTEF
1210	Enabling FAIR data within physical metallurgy by Jesper Friis, SINTEF
1230	**Lunch**
1330	Towards a virtual laboratory for aluminium structures: results from the FractAl and SFI-CASA project by David Morin, NTNU
1355	A brief overview of APT studies at NTNU by Constantinos Hatzoglou, NTNU
1420	New stable, efficient and open source implementations of CPFEM and FEM by Bjørn Holmedal, NTNU

Honorary Doctor at NTNU November 18th – Prof. Dierk Raabe

Dierk Raabe has studied music, metallurgy and metal physics. After his doctorate 1992 and habilitation 1997 at RWTH Aachen he worked at Carnegie Mellon University (Pittsburgh) and at the National High Magnet Field Lab (Tallahassee). He joined Max Planck Society as a director in 1999. His interests are in sustainable metallurgy, hydrogen, microstructures, alloy design, computational materials science and atom probe tomography. He has received the Leibniz award and two ERC Advanced Grants.

November 18th 2022 he will be appointed Honorary Doctor at NTNU.

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