



Consortium Meeting SFI PhysMet

October 26th 2021 - Scandic Lerkendal Hotel

Room: Mesanin 2

PROGRAM

09:00 - 09:15	Opening and introduction by Centre manager Knut Marthinsen
09:15 - 13:00	Consortium meeting part 1: Scientific results and plans for SFI PhysMet's research areas (RA)
09:15 - 09:45	<i>Multi-scale material analyses</i> by Randi Holmestad, NTNU
09:45 - 10:15	<i>Scale and process bridging methodologies</i> by Yanjun Li, NTNU
10:15 - 10:30	Break
10:30 - 11:00	<i>Sustainable and high-performance material development</i> by Mohammed M'Hamdi, Sintef
11:00 - 11:30	<i>Innovative processing and joining methods</i> by Magnus Eriksson, Sintef
11:30 - 11:45	Break
11:45 - 12:00	<i>Data, sharing and digital platforms</i> by Jesper Friis, Sintef
12:00 - 13:00	Short presentations of the new PhD projects starting autumn 2021. 15 min presentation/5 min discussion per project. 12:00 Ingvild Runningen: <i>Development of nanoparticle containing aluminum filler wires</i> 12:15 Tor Inge Thorsen: <i>Multiscale studies of material joints</i> 12:30 Andreas Voll Bugten: <i>The Effect of Steel Alloying Elements on the Microstructure and Properties of Ductile Cast Iron</i> 12:45 Magnus Reiersen: <i>Modelling and experimental framework for accelerated development of materials to be processed by the Laser Powder Bed Fusion technology</i>
13:00 - 14:00	LUNCH

14:00 - 16:30 Consortium meeting part 2: The Green Shift

Norway shall be a low-emission society by 2050. Innovation and technological development are key elements to the green shift, and a transition must occur to significantly reduce the negative consequences for climate and environment. In part 2 of the consortium meeting, we want to discuss the opportunities that the green shift can offer and how the metallurgical and manufacturing industry should meet the challenges.

14:00 - 14:20	<i>AluGreen – a Green Platform Initiative. Presentation of large project starting in 2022.</i> By Trond Furu, Hydro
14:20 - 15:00	<i>The green shift - What does it mean to Norwegian industry?</i> By Gunnar Grini, Norsk Industri
15:00 - 15:15	Break
15:15 - 15:45	<i>The EU Green Deal and Potential Strategic Possibilities for SFI PhysMet.</i> By Massimo Busuoli, Head of NTNU Brussels office
15:45 - 16:25	<i>A Platform to Enable ICME (Integrated Computational Materials Engineering) Workflows.</i> By Davide Di Stefano, The Materials Business Unit for Ansys, UK
17:00	DINNER at Scandic Lerkendal Restaurant