NIS Colloquium – STAMP Dissemination

14 February 2019

Materials and microstructures in Additive Manufacturing

Aula Diagonale, Dipartimento di Chimica, Università di Torino, V. P. Giuria 7

This workshop is organized in the framework of the dissemination activities of the STAMP project (Sviluppo Tecnologico dell’Additive Manufacturing in Piemonte, POR - F.E.S.R. 2014/2020) as a discussion forum on new materials for the rapidly growing technology of additive manufacturing.

Programme

9.00 – 9.25 Registration of participants.


9.30 - 10.15 Diego Manfredi (IIT, Torino), Mariangela Lombardi (DISAT, Politecnico di Torino): Overview on Selective Laser Melting: equipment, alloy processing, critical aspects, innovative outlook, mechanical requirements.

Coffee break


11.30 - 12.05 Alberta Aversa (DISAT, Politecnico di Torino): Effect of processing parameters, single laser track experiments.

12.05 - 12.40 Silvia Marola (Dip. Chimica, Università di Torino): Rapid solidification processing of Al alloys and Selective Laser Melting.

Lunch

15.15 - 15.35 Massimo Lorusso (IIT, Torino): **Mapping the hardness at the nano scale.**

15.35 - 15.55 Dario Gianoglio (Dip. Chimica, Università di Torino): **Thermal treatment of rapidly solidified Al alloys.**

15.55 - 16.40 Marina Cabrini (Dip. Ingegneria, Università di Bergamo): **Corrosion of Selective Laser Melting products.**

16.40 **General discussion and adjourn.**

*Participation is free but registration is required. Please send an e-mail to s.marola@unito.it before 12-02-2019.*