THERMODUST: Advancing Thermal Management through 2D Materials Integration in 3D Metal Matrices for Industrial Additive Manufacturing

BACKGROUND: thermal management is the strong need for material's innovation. Stunningly, large data centres spend up to 40% of the total Energy consumption to run the cooling system. Other examples are in the cooling electronics and in thermal control of electri vehicles.
PROBLEM: the development of innovative Solutions is hindered by heat removal and transport unsolved problems, the design aspecto of thermal control devices has achieved so much but is already under pressure
AIM: in THERMODUST we Will achieve a real breakthrough in investigation new flexible materials, with the final aim of Engineering a radically new material (Thermodust) with outstanding heat transfer performance and Sustainable for additive manufacturing
IMPACT: we are confident to be able to achieve the overall objectives through a sophisticated multi disciplinary methodology that Will rely upon scientific investigation, and the explotation of discoveries to establish Europe as a leader in heat management

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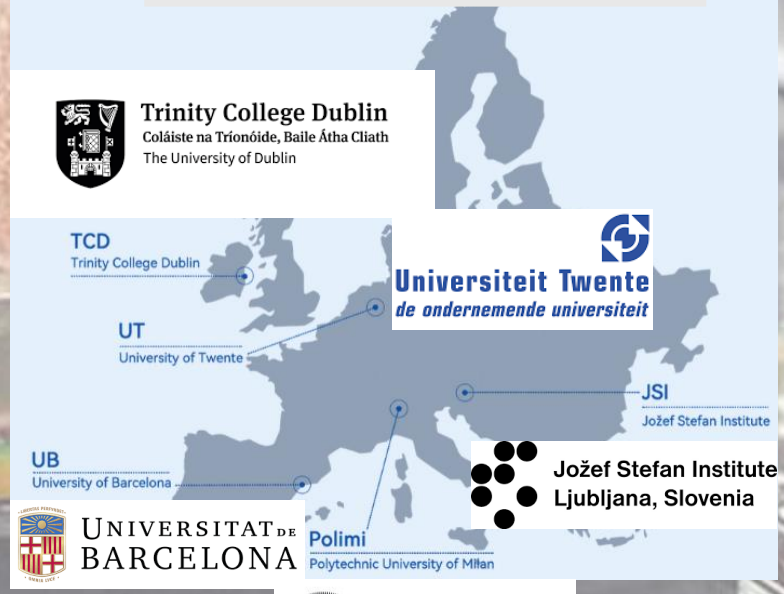

Dr. Rocco Lupoi: lupoir@tcd.ie
https://www.linkedin.com/groups/9382516/

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https://www.thermodust.eu/index.html

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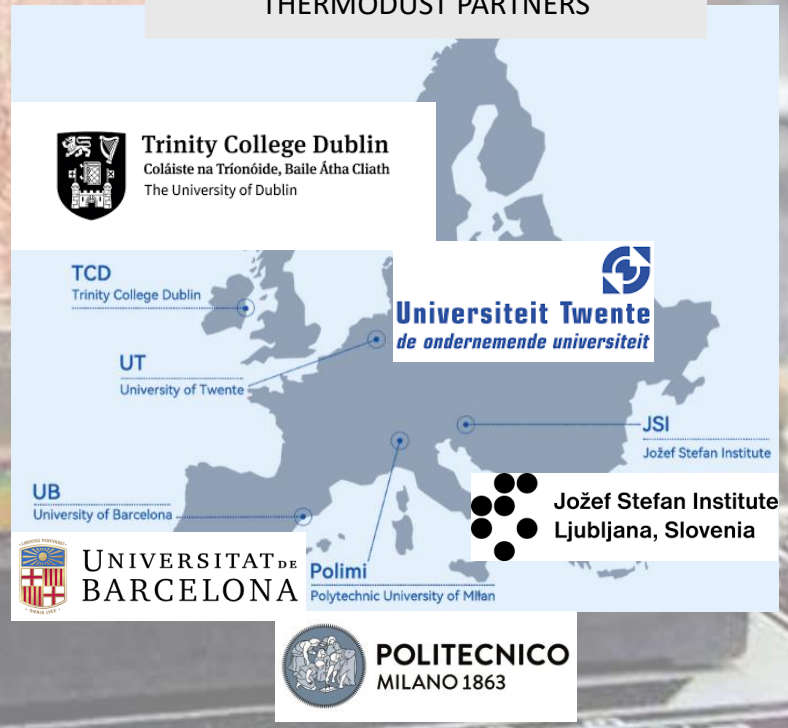
ThermoDust

LUPOIR@tcd.ie
Trinity College
Project coordinator

sdosta@ub.edu
Universitat de Barcelona, Spain
IPR manager

W.W.Wits@UTwente.nl
University of Twente,
The Nederlads
Chair of the Board

THERMODUST PARTNERS



sara.bagherifard@polimi.it
Polytechnic University of Milan, Italy

janez.zavasnik@ijs.si
Jožef Stefan Institute
Slovenia.

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