

March 20<sup>th</sup>, 2025

11:00, online

Zoom: <https://bit.ly/3X1YUJy>



**Professor Kevin Rossi**

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#### BACKGROUND

My research activity spans from the atom to the planet (policy) scale, and concern the utilization of artificial intelligence method to engineer advanced materials discovery, synthesis, characterization, and circularity. I'm Assistant Professor at TU Delft Materials Science Engineering Department, Materials Security Flagship co-lead, Climate Safety and Security Center, TU Delft | The Hague Campus, a Marie Skłodowska Curie Individual Fellow, and the Chair of DAEMON (Data-driven Applications towards the Engineering of functional Materials:an Open Network) COST Action

# DAEMON COST : a pan-European network for materials acceleration.

## Abstract

*DAEMON COST [1,2] is a pan-European network consisting of 200+ members from 40+ EU countries, which focuses on capacity-building and research-coordination efforts, with the end goal of popularizing and democratizing emergent approaches, such as generative AI and automated labs, to accelerate materials discovery, design, and commercialization.*

*In this presentation I will discuss ongoing efforts and activities of the network towards this goal. Next, I will focus on the challenges which characterize materials acceleration in the specific context of a truly horizontal, inclusive, and pan-European network. Finally, I will discuss existing opportunities in the area, the activities we promote, and the top-down and bottom-up level policies we aim to lobby for.*

[1] <https://www.cost.eu/actions/CA22154/>

[2]: <https://cost-daemon.eu/>

**Academia C<sup>2</sup>TN**

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