

Boosting automotive applications with phase change alloys and heterostructures

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I will present the results of the European project BeforeHand. The project aims at establishing the foundations of a new technology, exploiting the capabilities of phase-change materials (PCMs) with particular focus on automotive applications.

Within our project we pursued the development of new material combinations, made of PCM, with the best material trade-off benchmarked for automotive applications. We used a test vehicle to allow the comparison among different materials prepared with different deposition methods.