

Nanomaterials classification with artificial intelligence

Presentano:

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Abstract

Big data, machine learning and artificial intelligence are revolutionizing numerous fields, and physics is no exception. In this talk, I will introduce a neural-network-based approach to automatically classify crystal structures by their symmetry; interestingly, this model uses the same landmarks a physicist would use, although never explicitly instructed to do so. Finally, I will show how similar techniques have previously been used with everyday life examples

Seminario

Giovedì 31 gennaio 2019

Aula 9, ore 14.45

Via dei Musei 41 - Brescia

