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**CRYSTALS: form, metrics, symmetry, atomistic
in the perspective of materials**

Abstract

The presentation is intended as a *promenade* along the multiple interactions between Crystallography and other sciences, by pointing out a few selected topics related with materials – both natural (Mineralogy) and technological (Materials Science) – and briefly tackling environmental, biological and even artistic aspects.

The geometry (form & metrics) and the symmetry of crystalline matter will be further approached in relation to atomistic, exemplifying connections between crystallographic data and electronic structure of constituting atoms obtained by X-ray absorption spectroscopy using synchrotron radiation.