Contribution ID: **112**   Type: **Lecture**

Guest lecture: Physics-inspired computer algorithms

Friday 28 August 2020 15:15 (1 hour)

This lecture will introduce a few computer algorithms developed in computer science using simplified versions of physics phenomena as inspiration. The lecture will focus on the parallel between some physics concepts and principles, and counterparts in computer algorithms. Examples of applications of such algorithms will also be presented. The lecture aims to inspire physicists and computer scientist or practitioners to see physics not only as a source of large amounts of data that drives computer algorithm development and applications, but also as a potential source of new ideas for such algorithms.

Summary

Presenter: TEODORESCU, Liliana (Brunel University)