

Seminar

KIRIGAMI – THE ART OF SELF-FOLDING AND SELF-ASSEMBLY

Gonçalo Paulo

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Synchronization phenomena are studied for a long time and are present in many natural and artificial system, being the key studying phenomena in some of those. In our work we try to understand how synchronization happens in a binary mixture of moving oscillators, in which similar oscillators try to synchronize and opposite ones try not to. We do molecular dynamics simulation using an open-sour library (LAMMPS) and we modify the Kuramoto model to apply it to our system, that is a binary mixture of particles, and where two similar particles try to have the same phase and two different particles try to have phases in the opposing direction.

**Giovedì 17 Settembre 2019 – Ore 10.30 – Sala del Consiglio
Dipartimento di Ingegneria Meccanica e Aerospaziale
Via Eudossiana 18, Roma**

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