SEMPARIS – Séminaires en région parisienne

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Forum de Physique Statistique @ ENS

Mercredi 21 Juin 2023, 12 :00
LPENS, Conf IV
Domaines : cond-mat.stat-mech

Titre : *The role of disorder in the emergence of complex dynamics*

Orateur : **Camille Scalliet (Cambridge)**

Résumé : *Many materials or systems of physical interest are characterised by complex dynamics, i.e. slow, arrested, correlated or chaotic, whose emergence is difficult to predict. In many systems, such dynamical behavior is controlled by the presence of heterogeneous or disordered interactions. I will present some my recent works on this topic, addressing the arrested dynamics of disordered graphene sheets, the dynamics of large ecosystems, and glassy dynamics, as well as highlight future directions.*