

AKSOE 11 Dynamics of Groups and Organisations III

Time: Thursday 09:30–10:15

Room: BAR 205

Invited Talk

AKSOE 11.1 Thu 09:30 BAR 205

Randomness in consensus formation — ●MAXI SAN MIGUEL and VICTOR M. EGUILUZ — IMEDEA, Ed. Mateu Orfila, Campus Universitat Illes Balears, 07122 Palma de Mallorca, Spain

A main issue of consensus problems is to determine when the dynamics of a set of interacting agents that can choose among several options lead to a consensus in one of these options, or when a state with several coexisting social options prevail. This dynamics is very sensitive to random events (noise) that can either disorder the system or be a useful mechanism to escape from frozen polarized states. This general question will be discussed in two examples: a) A model of cultural dynamics in a social network that co-evolves with the agents dynamics; b) Bounded confidence models of opinion formation.