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Conference on Collective Behavior | (smr 3201)

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Thursday, 10 May - Auditorium, SISSA Building (09:00-17:40)

time	title	presenter
09:00	Fish Collective Behaviour	JENS KRAUSE
09:40	How Social Dynamics Determines the Spread, Persistence and Patterning of a Cultural Behaviour in Birds	LUCY APLIN
10:20	Self-organization Phenomena in Biomechanical Hybrid Systems	ANDREY SOKOLOV
10:40	Coffee break	
11:00	Decision Making and Collective Memory in Migratory Fish Schools	PATRIZIO MARIANI
11:40	From Manifest to Hidden Collective Behavior in Dense Bacterial Suspensions	HUGUES CHATÉ
12:20	A Binary Choice Paradigm for the Study of Collective Cognition in Schooling Fish	DANIEL BATH
12:40	Lunch break	
14:10	Embodied Evolution in Collective Robotics: Distributed On-line Learning of Collective Behaviors	NICOLAS BREDECHE
14:50	Size-Coordination Trade-offs in Collective Behavior of Simplest Multicellular Animals	PAWEL ROMANCZUK
15:10	The Physics of High-density Crowds	ARIANNA BOTTINELLI
15:30	Coffee break	
16:00	Beyond Condorcet: Confidence and Quorums	JAMES MARSHALL
16:40	High-Precision Three-Dimensional Tracking of Birds in the Field	HANGJIAN LING
17:00	Driving Collective Motion: on Fluctuations in Spontaneous vs. Directed Migrations	FRANCESCO GINELLI