

Poster Session 1

Monday 7 December 17:40 – 18:20 GMT

ID	Poster Title / Authors
13	Complexity in the Military Domain: An Analytical Framework for Modeling Complex Tactical Decisions <i>Bonnie Johnson</i>
16	Multistability in an ensemble of coupled Duffing oscillators <i>Raúl Sosa and Damián Zanette</i>
18	Contrastive Learning Approach for Phase Diagram Construction of the Random Walk Model with Volume and Surface Reinforcement <i>Alexander Lobashev and Mikhail Tamm</i>
22	Adapting the Kuramoto model to group drumming <i>Lana Delasanta, Dobri Dotov, Edward Large and Laurel Trainor</i>
35	A growth model for water distribution networks with loops <i>Kashin Sugishita, Noha Abdel-Mottaleb, Qiong Zhang and Naoki Masuda</i>
48	Contributions to Reinforcement Learning using Probabilistic Boolean Networks <i>Pedro Juan Rivera Torres and Samir Kanaan Izquierdo</i>
59	Conductance-based Constrained Growth Leads to Emergent Hierarchy <i>Christopher Diggans and Erik Bollt</i>
104	Correlation networks of air particulate matter (PM2.5): A comparative study <i>Dimitris Vlachogiannis, Yanyan Xu, Ling Jin and Marta González</i>
106	Statistical mechanics of semantic evolution <i>Bogdán Asztalos, Gergely Palla and Daniel Czege</i>
140	Gender-based pairings influence cooperative expectations and behaviours: A citizen science public experiment <i>Josep Perelló, Anna Cigarini and Julian Vicens</i>
153	Modelling flood risk change in space and time – a complexity perspective <i>Andreas Paul Zischg</i>
166	Managing complexity through the complexity of our thinking: Key research questions and challenges to the development of a meta-heuristic <i>Ana Teixeira de Melo</i>
182	Analysis of Coupled Dynamic Model for Malaria Spreading between Human being and Mosquito with Infected Immigrants <i>Biseko Juma Mafwele and Jae Woo Lee</i>
239	Enhancing transport properties in interconnected systems without altering their structure <i>Arsham Ghavasieh and Manlio De Domenico</i>
296	Hypernetworks and the Science of Design <i>Jeffrey Johnson</i>
330	A Zika model with sexual transmission and vertical vector transmission <i>Abdoulaye Sow, Djibril Mboup, Cherif Diallo and Hocine Cherifi</i>