

ORAL SESSIONS

Paper ID	Paper Title	Authors	Primary Contact Author Na	Session Topic	Name	order
19	Exploring Epidemiological Dynamics in a Social Dilemma	Francesco Bertolotti (LIUC - Università Cattaneo)*; Niccolò Kadera (LIUC - Università Cattaneo); Luca Pasquino (LIUC - Università Cattaneo)	Francesco Bertolotti	Epidemics, Rumors	O1	1
55	Identifying Sentinel Nodes and Communities in Nigeria: the role of missing information	Asma Mesdour (CIRAD)*; Elena Arsevska (CIRAD)*; Mamadou Ciss (ISRA); Stephen Eubank (University of Virginia)	Asma Mesdour	Epidemics, Rumors	O1	2
60	Agent-based modelling: a novel approach to understanding High Pathogenicity	Maryem BEN SALEM (ANSES Laboratoire de Ploufragan-Plouzané-Niort)*; Axelle SCOZEC (Epidemiology, Animal Health and Welfare)	Maryem BEN SALEM	Epidemics, Rumors	O1	1
86	Social Media Cross-Network Association and Prediction	Allison I Gunby-Mann (Dartmouth College)*; Peter Chin (Dartmouth College)	Allison I Gunby-Mann	Epidemics, Rumors	O1	1
5	What Are Data-Driven Methods Missing? A Physics-Guided Learning Approach	Feng Liu (Hong Kong Baptist University); Yang Liu (Hong Kong Baptist University)*; Benyun Shi (Nanjing Tech University); Jiming Liu (H Yang Liu)	Feng Liu	Foundations of complex systems	O2	1
15	Modelling the collapse of complex societies	Sabin Roman (University of Cambridge)*; Francesco Bertolotti (LIUC - Università Cattaneo)	Sabin Roman	Foundations of complex systems	O2	2
18	I'm Polite(r) because I think you are. Elucidating the impact of contextual information	Sasha Piccione (Ca' Foscari University of Venice)*; Nicolas Jullien (IMT Atlantique)	Sasha Piccione	Foundations of complex systems	O2	3
34	The Atlas of Social Complexity	Brian Castellani (Durham University)*	Brian Castellani	Foundations of complex systems	O2	4
12	Structify-Net: A python library for generating Random Graphs with controlled similarity	remy cazabet (Lyon 1)*	remy cazabet	Complex Networks -> Structure & Dynamics I	O3	1
14	Sampling based sequential dependencies discovery in Higher-Order Network	Julie Queiros (LS2N); François Queyroi (LS2N)*; Samuel Maistre (IRMA)	François Queyroi	Complex Networks -> Structure & Dynamics I	O3	2
20	Discovering temporal triadic closure patterns	Alessia Galdeman (Università degli Studi di Milano)*; Cheick T. Ba (Queen Mary University London); Matteo Zignani (Università degli Studi di Milano)	Alessia Galdeman	Complex Networks -> Structure & Dynamics I	O3	3
27	Compression-based inference of network motif sets	Alexis Bénichou (Institut Pasteur)*; Jean-Baptiste Masson (Institut Pasteur); Christian L Vestergaard (Institut Pasteur)	Alexis Bénichou	Complex Networks -> Structure & Dynamics I	O3	4
41	Comparative Analysis of Structural Backbone Extraction Techniques	Ali Yassin (University of Burgundy)*; Hocine Cherifi (University of Burgundy); Hamida SEBA (University Lyon 1); Olivier Togni (University Ali Yassin)	Ali Yassin	Complex Networks -> Structure & Dynamics I	O3	5
13	Economic Integration of Africa in the 21st Century: Complex Network Approach	Tekilu Tadesse Choramo (Ghent University)*; Jemal Abafta (Jimma University); Yerali C Gandica (Valencian International University); L Tekilu Tadesse Choramo	Tekilu Tadesse Choramo	Economics & Finance	O4	1
47	Using complex networks for the analysis of the global land trade market	Marie Gradeler (International Land Coalition); Roberto Interdonato (CIRAD)*; Jeremy Bourgain (CIRAD); Ward Anseew (FAO)	Roberto Interdonato	Economics & Finance	O4	2
49	Geometric and Topological Approach to Market Critical Points	Lucas P Carvalho (ISEG)*; Tanya Araujo (ISEG)	Lucas P Carvalho	Economics & Finance	O4	3
51	A simple model to describe an in-silico financial market populated by real traders	Michele Vodret (CentraleSupélec)*; Damien Chaillet (CentraleSupélec, Paris Saclay)	Michele Vodret	Economics & Finance	O4	4
32	Local dominance unveils clusters in networks	Ruiqi LI (UrbanNet Lab, College of Information Science and Technology, Beijing University of Chemical Technology)*	Ruiqi LI	Communities	O5	1
33	Autocatalytic Networks and the Green Economy	Arnaud Persenda (Université Côte d'Azur)*	Arnaud Persenda	Communities	O5	2
46	An Evaluation of Graph Based Approaches for Clustering: a Case Study in Chemistry	Iris Ho (California Polytechnic State University, San Luis Obispo)*; Paul Anderson (Cal Poly, San Luis Obispo); Jean Davidson (Cal Poly)	Iris Ho	Communities	O5	3
52	Evaluating Community Structure Preservation of Network Embedding Algorithms	Jason Barbour (American University of Beirut)*; Stephany Rajeh (Efrei Research Lab); Sara Najem (American University of Beirut); Hocine Jason Barbour	Jason Barbour	Communities	O5	4
37	Emergence of dynamical networks in termites	Louis E Devers (Institut de Mathématiques de Toulouse (IMT) Université Paul Sabatier Toulouse III)*; Perrine Bonavita (Centre de Recherche de Toulouse)	Louis E Devers	Complex Networks -> Structure & Dynamics II	O6	1
44	Towards Balanced Information Propagation in Social Media	Mahmoudreza Babaei (GISMA University of Applied Science); Mahmoudreza Babaei (Max Planck Institute for Software Systems)*; Baha Mahmoudreza Babaei	Mahmoudreza Babaei	Complex Networks -> Structure & Dynamics II	O6	2
61	Temporal Connectivity of Maritime Transport Networks	Théo Morel (Université Le Havre Normandie)*; Claude Duvallet (Université Le Havre Normandie); Yoann Pigné (Université Le Havre Normandie)	Théo Morel	Complex Networks -> Structure & Dynamics II	O6	3
62	Persistence of Information in Dynamic Graphs	Vincent Bridonneau (LITIS)*	Vincent Bridonneau	Complex Networks -> Structure & Dynamics II	O6	4
24	Interpretable Control of Modular Soft Robots	Giorgia Nadizar (University of Trieste)*; Eric Medvet (University of Trieste)	Giorgia Nadizar	Engineering systems	O7	1
26	Predicting the impact of communication outages in swarm collective perception	Dari Trendafilov (University of Namur)*; AHMED ALMANSOORI (University of Namur); Nicolas Bredeche (Sorbonne); Timoteo Carletti (University of Namur)	Dari Trendafilov	Engineering systems	O7	2
53	Approximate information for efficient exploration-exploitation strategies	Alex Barbier-Chebbah (CNRS, Institut Pasteur)*; Christian L Vestergaard (Institut Pasteur); Etienne Boursier (INRIA); Jean-Baptiste Masson (Institut Pasteur)	Alex Barbier-Chebbah	Engineering systems	O7	3
58	Fine-Tuning LLMs OR Zero/Few-Shot Prompting for Knowledge Graph Construction	Hussam Ghanem (Université de Bourgogne)*; CHRISTOPHE CRUZ (Univ. de Bourgogne - Franche-Comté)	Hussam Ghanem	Engineering systems	O7	4
59	Nash Equilibrium Analysis of Attack and Defense Strategies in the Air Transport Network	Hussam Ghanem (Université de Bourgogne)*; Renaud Horacio Gaffan (Gaston Berger University)*; Ndeye Khady Aidara (Gaston Berger University); Issa Moussa Diop	Hussam Ghanem	Engineering systems	O7	5
3	Sustaining greener Dockless Bike-Sharing systems by incorporating bike choice	Ruiqi LI (UrbanNet Lab, College of Information Science and Technology, Beijing University of Chemical Technology)*; Xinmiao Sun (University of Beijing)	Ruiqi LI	Infrastructure, planning, and environment	O8	1
21	Driver Deviation: A Measure of Traffic Changes in Low Traffic Neighbourhoods	Shazia Ayn Babul (University of Oxford)*; Nicola Pedreschi (University of Oxford); Renaud Lambiotte (University of Oxford)	Shazia Ayn Babul	Infrastructure, planning, and environment	O8	2
54	Internal Migration in Rhineland-Palatinate - The evolution of the migration network	Christian Wolff (Hochschule Mainz - University of Applied Sciences)*; Markus Schaffert (Hochschule Mainz - University of Applied Sciences)	Christian Wolff	Infrastructure, planning, and environment	O8	3
57	Benchmarking algorithms for matching geospatial vector data	Paul Guardiola (IGN-ENSG); Juste Raimbault (IGN-ENSG)*; Ana-Maria Olteanu-Raimond (IGN-ENSG); Julien Perret (lastig)	Juste Raimbault	Infrastructure, planning, and environment	O8	4
6	Tendencies toward triadic closure: Field-experimental evidence	Mohsen Mosleh (MIT/Exeter)*	Mohsen Mosleh	Social complexity	O9	1
40	Investigation of Social Networks In University upon Belongingness and Mental Health	Rachel Izenson (California Polytechnic State University - San Luis Obispo)*; Lauren Allen (California Polytechnic State University - San Luis Obispo)	Rachel Izenson	Social complexity	O9	2
42	On the shape of illicit networks	Guy Melançon (Université de Bordeaux, CNRS LaBRI UMR 5800)*; Masarah Paquet-Clouston (School of Criminology/CICC, Université de Moncton)	Guy Melançon	Social complexity	O9	3
43	Geographical variations of social mobility in France and its determinants	Andrea Russo (Sorbonne - CNRS)*; Floriana Gargiulo (CNRS); Cyril Jayet (Sorbonne); Maxime Lenormand (INRAE)	Andrea Russo	Social complexity	O9	4
56	Geographic Distance and Equity Within a Collaboration Network	Andrew R Estrada (California Polytechnic State University)*; Theresa Migler (California Polytechnic State University); Zoë Wood (California Polytechnic State University)	Andrew R Estrada	Social complexity	O9	5

POSTER SESSION

Paper ID	Paper Title	Authors	Primary Contact Author Na	Session Topic	Name	order
16	Applications of chaotic maps in competitive and territorial dynamics	Sabin Roman (University of Cambridge)*	Sabin Roman	Poster session	P1	1
22	Natural Language Processing for Requirements Model Extraction in Systems	Stella Zevio (Cénotelie)*	Stella Zevio	Poster session	P1	2
30	Cognitive Navigability: A philosophical invitation towards modelling cognitions	Andrea Hiott (Universität Heidelberg)*	Andrea Hiott	Poster session	P1	3
45	The Policy Impact of Complex Systems Research: A Quantitative Analysis	Behrooz B. Rasuli (Iranian Research Institute for Information Science and Technology (IranDoc)*)	Behrooz B. Rasuli	Poster session	P1	4
63	A methodological approach to map complex research systems to the Sustainable Development Goals	Audilio GONZALEZ AGUILAR (University Paul-Valéry Montpellier 3); Francisco Carlos Paletta (University of São Paulo)*; Juan Camilo VFrancisco Carlos Paletta	Audilio GONZALEZ AGUILAR	Poster session	P1	5

WORKSHOP SESSIONS

Paper ID	Paper Title	Authors	Primary Contact Author Name	Session Topic	Name	order
67	CECI est une image – CECI est aussi une image	Eric Masson (Laboratoire TVES - ULR 4477 Université de Lille)*	Eric Masson	Beauty in Complexity	W1	1
68	Sarudango, selforganisation of extralarge huddling clusters in macaques	Cédric Sueur (Université de Strasbourg)*	Cédric Sueur	Beauty in Complexity	W1	2
70	Science and complexity	bruno c vianna (CITM-UPC)*	bruno c vianna	Beauty in Complexity	W1	3
73	Chemical communication in life and AI	Antoni Hernández-Fernández (Institut de Ciències de l'Eduació, Universitat Politècnica de Catalunya)*; Iván González Torre (Vicomtec)	Antoni Hernández-Fernández	Beauty in Complexity	W1	4
75	All Roads Lead to Rome	philippe MATHIEU (University of Lille, CRISTAL)*	philippe MATHIEU	Beauty in Complexity	W1	5
82	Pseudo-Fractals: Construction by stage-dependent rules	Andrew D Irving (The Bees)*; Ebrahim Patel (University of Greenwich)	Andrew D Irving	Beauty in Complexity	W1	6
83	Map of the Complexity Sciences	Brian Castellani (Durham University)*	Brian Castellani	Beauty in Complexity	W1	7
89	Cat's Cradle of Pain: Exploring Connections in Chronic Pain	Iris Ho (California Polytechnic State University, San Luis Obispo)*	Iris Ho	Beauty in Complexity	W1	8
90	Beauty in Complexity: A methodological approach to map complex research systems	Francisco Carlos Paletta (University of São Paulo)*; Audilio GONZALEZ AGUILAR (University Paul-Valéry Montpellier 3); Juan Camilo VFrancisco Carlos Paletta	Francisco Carlos Paletta	Beauty in Complexity	W1	9
91	Dandelion Distance Network	Andrew R Estrada (California Polytechnic State University)*	Andrew R Estrada	Beauty in Complexity	W1	10
92	A Visual Representation of the Social Network of a Computer Science Department	Rachel Izenson (California Polytechnic State University - San Luis Obispo)*; Julissa Hernandez (California Polytechnic State University - San Luis Obispo)	Rachel Izenson	Beauty in Complexity	W1	11
39	Generic Network Sparsification via Hybrid Edge Sampling	Zhen Su (Humboldt-Universität zu Berlin)*; Kurths Jürgen (Potsdam Institute for Climate Impact Research); Henning Meyerhenke (Humboldt-Universität zu Berlin)	Zhen Su	Complex Network Sparsification	W2	1
72	Why the Metric Backbone Preserves Community Structure	Maximilien Drevetton (EPFL)*; Charbel Chucur (EPFL); Matthias Grossglauser (École Polytechnique Fédérale de Lausanne (EPFL)); Patr Maximilien Drevetton	Maximilien Drevetton	Complex Network Sparsification	W2	2
77	Hybrid Method for graph reduction	Clément Aralou (Université Claude-Bernard Lyon 1)*; Hamida SEBA (University Lyon 1); samba Ndiaye (University Lyon 1); Mohammed Clément Aralou	Clément Aralou	Complex Network Sparsification	W2	3
23	The Cognitive City: way-ability as a means for assessing a city's affordances	Andrea Hiott (Universität Heidelberg)*	Andrea Hiott	Modeling Cities	W3	1
76	The Effects of Climate Change on Internal Migration in South Africa	Maria V Antonaccio Guedes (University of Oxford)*	Maria V Antonaccio Guedes	Modeling Cities	W3	2
78	Detection of Anomalous Spatio-temporal Patterns in Response to Climate Change	Sofia Medina (University of Oxford)*; Nicola Pedreschi (University of Oxford); Timothy LaRock (University of Oxford); Shazia Ayn Babul (University of Oxford)	Sofia Medina	Modeling Cities	W3	3
79	Complex behaviour in day-to-day dynamics of Transportation systems	Jean-Patrick Lebacque (University Gustave Eiffel)*; Megan Khoshyaran (Economics Traffic & Clinic)	Jean-Patrick Lebacque	Modeling Cities	W3	4