Poster session: Tuesday 20th

Board	Author	Poster title
1	**Pau Aceituno**	Tailoring Echo State Networks for Optimal Learning
2	**Roman Arango Cabrera**	Transient Dynamics of Cortical Networks Underpinning Slow Oscillations
3	**Hongjie Bi**	Coexistence of Quantized, Time Dependent, Clusters in Globally Coupled Oscillators
4	**Maxim Bolotov**	Simple and complex chimera states in a nonlinearly coupled oscillatory medium
5	**Andrei Bukh**	Synchronization of chimera structures in multilayer networks of coupled nonlinear oscillators
6	**Gloria Cecchini**	An Analytical Approach to Network Inference: The Example of Investigating the Degree Distribution
7	**Rok Cestnik**	Inferring the phase response curve from observations of a continuously perturbed oscillator
8	**Pau Clusella**	Noise-induced stabilization of collective dynamics
9	**Nicolas Deschle**	On the validity of neural mass models for neural networks
10	**Federico Devalle**	A firing rate model for fast oscillations in inhibitory networks
11	**Marco Faggian**	Evidence of a critical phase transition in a purely temporal dynamics with long-delayed feedback
12	**Masayuki Fujiwara**	Existence of Phase Synchronization, Detected by Electroencephalography, in the Formation of Symbolic Communication Systems
13	**Erik Gengel**	Phase Reconstruction with Iterated Hilbert Transfrom
14	**Denis Goldobin**	Effect of intrinsic noise on the chimera states in coupled Kuramoto ensembles
15	**Chen Chris Gong**	Forbidden yet observed clustering in ensembles of repulsively coupled Kuramoto-Sakaguchi phase oscillators subject to common noise.
16	**Marc Grau**	Reconstructing directed networks using a rank based connectivity measure
17	**Dmytro Grytskyy**	Plastic neural networks with oscillating dynamics inferring context from the input
18	**Felix Kemeth**	Transitions to Chaos in an Ensemble of Four Mean-Coupled Limit Cycle Oscillators

19	**Vladimir Klinshov**	Neural clustering and persistent activity in local cortical circuits
20	**Aniello Lampo**	Bose polaron as an instance of quantum Brownian motion
21	**Maxime Lucas**	Effect of time-varying parameters on stability in coupled oscillators systems
22	**Ewandson Luiz Lameu**	Dynamic and topological changes in a neural network with plasticity and synaptic delay
23	**Irene Malvestio**	Detecting connectivity between neurons from spike trains
24	**Thanos Manos**	Long-term desynchronization with Coordinated Reset in models with synaptic and structural plasticity
25	**Rosa Martinez-Corral**	A spatially extended model of oscillations in bacterial biolms
26	**Maria Masoliver**	Subthreshold signal encoding in coupled FitzHugh-Nagumo neurons
27	**Pedro Mediano**	Synergistic synchronisation in oscillator networks

Poster session: Wednesday 21st

Board	Author	Poster title
28	**Pau Aceituno**	Cycles and network eigenvalues: From structure to dynamics
29	**Hildegard Meyer-Ortmanns**	Emerging Long-Period Orbits and Self-Similarity in Repulsively Coupled Classical Oscillators
30	**Riccardo Muolo**	Turing pattern formation on non-normal networks
31	**Zoltan Neda**	Pattern selection in a ring of Kuramoto rotators
32	**Nikita Novikov**	Active State Stabilization by Externally Applied High-Frequency Oscillations in a Working Memory Model
33	**Hector Orozco-Perez**	Directional information flow between the brains of musicians playing together
34	**Ulrich Parlitz**	Synchronisation of dynamical systems using delay coordinates
35	**Alberto Perez-Cervera**	Numerical computation of Phase Response Curves using the parametrization method
36	**Aleksandra Pidde**	Characterising coupling in time-varing dynamical systems with wavelet bispectral analysis
37	**Bastian Pietras**	Reduced phase models of networks of neural oscillators and their limitations
38	**Pablo Ruiz**	Resonant desynchronization of globally coupled heterogeneous active rotators
39	**Giulia Ruzzene**	Control of chimera states via minimal connectivity changes
40	**Bulcsu Sandor**	Embodied locomotion through self-organized frequency locking
41	**Ancor Sanz-Garcia**	Anything goes for networks? Type and location of sensors impact on link strengths of evolving functional brain networks
42	**Eero Satuvuori**	Using spike train distances to evaluate neuronal population coding
43	**Fabian Schubert**	A Continuous-Time Dynamical System Describing both Rate Encoding and Spiking Neurons
44	**Igor Shepelev**	Local sensitivity of spatiotemporal structures
45	**Lev Smirnov**	Synchronization waves in a oscillatory medium
46	**Erik Teichmann**	A Numerical Exploration of the Collective Phase Response Curve for an Ensemble of Rayleigh Oscillators

47	**Mary Thoubaan**	Existence of weak chimeras for a minimal system of coupled phase oscillators
48	**Ralf Toenjes**	Weak, noise induced remote synchronization
49	**Cagdas Topcu**	Disentangling Respiratory Sinus Arrhythmia in Heart Rate Variability
50	**Catalina Vich**	Phasic dopamine influences on action value estimation
51	**Aline Viol**	The functional networks of the human brain under the influence of the psychedelic Ayahuasca
52	**Evgenii Volkov**	Emerging of complex multistability and broken symmetry in quorum sensing coupled identical ring oscillators
53	**Anna Zakharova**	Noise-induced chimeras in dynamical networks: nonlocally coupled ring versus 2D modular fractal connectivity.
54	**Clement Zankoc**	Noise driven neuromorphic tuned amplifier
55	**Chunming Zheng**	Delay-induced stochastic bursting in excitable system