

Tutorials		AMCOS Conference									
Mon, 19/03/18		Tue, 20/03/18		Wed, 21/03/18		Thu, 22/03/18		Fri, 23/03/18			
		8:30 AM	Registration & Coffee								
9:00 AM	Tutorial I	9:00 AM	Welcome remarks	9:00 AM	Invited Speaker	9:00 AM	Invited Speaker	9:00 AM	Invited Speaker		
	Arkady Pikovsky	9:10 AM	Keynote Lecture I:		Cristina Masoller		Yamir Moreno		Jordi Garcia-Ojalvo		
	Hierarchy of synchronization models		Damián Zanette		Network dissimilarity measure and application to brain network differentiation		Synchronization of Kuramoto Oscillators in Complex Networked Systems		Emergence of oscillations in bacterial populations		
			Synchronization in micromechanical oscillators	9:40 AM	CT: Nicolas Fourcaud-Trocme	9:40 AM	CT: Giulia Cencetti	9:40 AM	Invited Speaker		
					Evolution of slow and fast rhythm networks during learning of an olfactory discrimination task		Dynamical invariance on complex networks		Dante Chialvo		
		10:05 AM	CT: Daniel Heger		10:10 AM	Invited Speaker	10:10 AM	Invited Speaker		Life at the edge, complexity and criticality in biological function	
			Controlling attractors and initial conditions in a network of phase oscillators for pattern recognition			Alex Roxin		Ginestra Bianconi	10:20 AM	IT: Jörg Müller	
		10:30 AM	Coffee	10:30 AM	Coffee		Fluctuation-driven plasticity allows for flexible rewiring of neuronal assemblies.		Emergent Complex Network Geometry and Frustrated Synchronization		tba
				10:45 AM	Coffee	10:45 AM	Coffee	10:45 AM	Coffee		
11:00 AM	Tutorial II	11:00 AM	Invited Speaker								
	Michael Rosenblum		Diego Pazó			11:10 AM	CT: Geza Odor	11:10 AM	CT: Alexander Schlemmer		
	Synchronization approach to data analysis		Recent findings on the Winfree model	11:15 AM	Invited Speaker			Effects of heterogeneity in power-grid network models		Characterizing Cardiac Arrhthmia using Multi-Dimensional Permutation Entropy	
						Florian Mormann					
		11:40 AM	CT: Franziska Peter			Perception and memory at the level of single neurons in the human medial temporal lobe	11:40 AM	CT: Otti D'Huys	11:40 AM	Keynote Lecture II:	
			Emergence of a collective mode in the finite size Kuramoto model		11:55 AM	Invited Speaker			Dynamics of networks with time-varying connections		Leon Glass
							Raffaella Burioni				Geometric Aspects of the Dynamics and Diagnosis of Cardiac Arrhythmias
		12:10 PM	Invited Speaker				Neuronal avalanches in cortex dynamics and the synchronization transition	12:10 PM	Invited Speaker		
			Juan Restrepo				Albert Diaz-Guilera				
12:30 PM	Lunch		Uncovering low-dimensional macroscopic chaotic dynamics of large finite size complex systems				Synchronization in populations of moving oscillators	12:35 PM	Poster Prize & Conclusion		
		12:45 PM	Lunch	12:45 PM	Lunch	12:45 PM	Lunch	12:45 PM	Lunch		
2:00 PM	Tutorial III	2:00 PM	CT: Valerie Voorsluijs	2:00 PM	CT: Arindam Saha	2:00 PM	CT: Denis Goldobin				
	Ralph G. Andrzejak		Nonlinear dynamics and fluctuation-induced behavior in a photosensitive oscillatory reaction		Emergence of Riddled Basins of Attraction in Delay-coupled FitzHugh-Nagumo Oscillators		Synchronization of coupled active rotators by common noise				
	A brief introduction to nonlinear time series analysis	2:30 PM	Invited Speaker	2:30 PM	Invited Speaker	2:30 PM	CT: Rico Berner				
				Hiroya Nakao		Peter Ashwin		Hierarchical clusters in networks of adaptively coupled oscillators			
				Phase reduction and synchronization of rhythmic spatiotemporal patterns		Rate-dependent tipping: non-autonomous dynamics and critical transitions					
		3:05 PM	Coffee	3:05 PM	Coffee						
3:30 PM	Coffee	3:30 PM	CT: Soheila Samiee	3:30 PM	CT: Igor Franovic						
			Phase-amplitude coupling and epileptogenesis in an animal model of mesial temporal lobe epilepsy		Switching dynamics In networks of stochastic rate-based neurons		Excursion (16:30)				
4:00 PM	Tutorial IV	4:00 PM	Invited Speaker	4:00 PM	Invited Speaker						
	Aneta Stefanovska		Gustavo Deco		Tilo Schwalger						
	Understanding real-world systems from the perspective of time-varying dynamics		Brain Songs: Discovering the relevant timescale of the human brain		Finite-size effects in the mesoscopic dynamics of spiking neural networks						
		4:40 PM	CT: Cristina Martinez	4:40 PM	CT: Helmut Schmidt			Conference Dinner (20:00)			
			Using nonlinear time series analysis to assess the interplay between epilepsy and sleep			Network mechanisms underlying the role of oscillations in cognitive tasks					
5:30 PM		5:15 PM - 7:30 PM	Poster w/ Wine & Cheese	5:15 PM - 7:30 PM	Poster w/ Wine & Cheese						