

EGU 2010 – Nonlinear Processes in Geophysics (NP)

O: Oral Presentation (Lecture Room) / P: Poster Presentation (First Poster Board)

TB: 1: 08:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00 / 6: 19:00–20:00

Division Business Meeting: We, 12:15–13:15, Room 17

Session	Title	TB	Mo	Tu	We	Th	Fr
ML21	Lewis Fry Richardson Medal Lecture by Klaus Fraedrich	1					
		2					
		3					
		4		O (17)			
		5					
ML32	Outstanding Young Scientist Lecture by Valerio Lucarini	1					
		2					
		3		O (17)			
		4					
		5					
NP1 – Nonlinear Processes in Geosciences (General)							
NP1.1	Advances and Challenges in Nonlinear Geosciences (including Lewis Fry Richardson Medal Lecture & Outstanding Young Scientist Lecture)	1					
		2					
		3		O (17)			
		4		O (17)			
		5					
NP1.3/ESSI6	Soft Computing Techniques in Geosciences	1					O (17)
		2					O (17)
		3					P (XY581)
		4					
		5					
HS5.3/CL2.17/NP1.4	Climate, water and health	1					
		2					
		3					
		4					
		5			P (A225)		
GM2.3	Complex systems research in Geomorphology – Concepts, methods and application	1					
		2		P (XL49)			
		3					
		4					
		5					
OS20	Ocean modelling: developments, applications, and observation-based assessment	1				O (D)	
		2				O (D)	P (Z48)
		3					
		4					
		5					
OS5	The North Atlantic and its role for climate, sea level change, and anthropogenic carbon	1	O (6)				
		2	O (6)				
		3					
		4					
		5	P (XL182)				
NP2 – Dynamical Systems Approaches to Problems in Geosciences							
NP2.1/CL2.19	ENSO: Dynamics, Predictability and Modelling	1		O (19)			
		2					
		3					
		4					
		5		P (XL262)			
NP2.3/AS4.15/CL4.5/OS 13	Nonlinear Dynamics of the Atmosphere, Ocean and the Climate System	1					
		2		O (19)			
		3					
		4					
		5		P (XL277)			
NP2.5	Modelling and Understanding Geophysical Systems as Complex Networks	1					
		2					
		3					
		4	O (19)				
		5	P (XL160)				

Session	Title	TB	Mo	Tu	We	Th	Fr
NP3 – Scales, Scaling and Nonlinear Variability							
NP3.2	Atmospheric and climate complexity over a wide range of scales	1			O (17)		
		2					
		3					
		4					
		5				P (XY673)	
NP3.3	Scaling and downscaling in acquatic systems, subgrid models and in parameterizations	1					
		2			O (17)		
		3					
		4					
		5			P (XY582)		
NP3.4	Geophysical Extremes: Scaling representations and their applications	1				O (17)	
		2					
		3					
		4					
		5				P (XY686)	
NP3.5/HS13.2	Scales and scaling in surface and subsurface hydrology	1					
		2					
		3			O (17)		
		4					
		5			P (XY594)		
HS5.1/AS1.20/NH1.11/NP3.6	Precipitation: from measurement to modelling and application in catchment hydrology	1		O (36)			
		2		O (36)			
		3		O (36)			
		4					
		5		P (A277)			
NP3.8	Geophysical Downscaling Methods	1					
		2				O (17)	
		3					
		4					
		5				P (XY701)	
NP3.9/SSS44	Complexity and nonlinearity in soils	1					
		2					
		3					
		4			O (17)		
		5			P (XY603)		
NP4 – Time Series and Patterns							
NP4.1	Open Session on Geoscientific Time Series Analysis	1	O (19)	P (XL293)			
		2					
		3					
		4					
		5					
NP4.2	Satellite time series analysis	1					
		2	O (19)	P (XL311)			
		3					
		4					
		5					
NP4.3	Patterns in the Geosciences	1					
		2		P (XL327)			
		3	O (19)				
		4					
		5					
CL4.4	Climate time series analysis: novel tools and applications to centennial-to-millennial scale variations	1					
		2		O (17)			
		3					
		4					
		5		P (XY342)			
NP5 – Predictability							
NP5.1	Predictability, model error dynamics, and high impact events	1			O (19)	P (XY723)	
		2					
		3					
		4					
		5					
NP5.2	Data assimilation and inverse problems in the presence of nonlinearities	1					
		2			O (19)	P (XY733)	
		3			O (19)		
		4					
		5					
NP5.3	Nonlinear optimal modes and their applications in predictability, sensitivity and stability studies	1					
		2					
		3				P (XY751)	
		4			O (19)		
		5					

Session	Title	TB	Mo	Tu	We	Th	Fr
NP6 – Turbulence, Transport and Diffusion							
NP6.1	Mixing and lagrangian transport in Geophysical Flows	1					P (XY608)
		2					
		3					
		4				O (18)	
		5					
NP6.2	Nonlinear Geophysical Fluid Dynamics and Laboratory Experiments	1					P (XY625)
		2					
		3				O (18)	
		4					
		5					
NP6.5	Turbulence in the Atmosphere	1					
		2			P (XY623)		O (18)
		3					
		4					
		5					
NP6.6	Astrophysical Turbulence, Shocks and Plasmas	1					O (18)
		2			P (XY633)		
		3					
		4					
		5					
NP6.8	Turbulence and Waves in Stratified and Rotating Fluids	1					
		2					
		3			P (XY644)		O (18)
		4					
		5					
NP6.9	Turbulent magnetic reconnection in Space, Laboratory and Astrophysical Systems	1					
		2					
		3			P (XY659)		
		4					O (18)
		5					
HS5.5/NP6.10	Stochastics in hydrometeorological processes: from point to global spatial scales and from minute to climatic time scales	1					
		2	O (38)				
		3					
		4					
		5	P (A260)				
NP7 – Nonlinear Waves							
NP7.1	Non linear waves, instabilities, wave-flow interactions and coastal hydromorphology	1					P (XY640)
		2					
		3					O (17)
		4					
		5					
NP7.4	Wind-wave-current interactions, internal waves in stratified media and ocean mixing	1					
		2					P (XY651)
		3					
		4					O (17)
		5					
ST2.4	Nonlinear waves and transport processes in solar-terrestrial plasmas	1		O (13)			
		2					
		3					
		4					
		5		P (Z292)			
NP8 – Nonlinear Stochastics							
CL4.1/NP8.1	Chaotic and Stochastic Climate Dynamics	1					
		2					
		3				O (17)	
		4					
		5				P (XY298)	
NP8.4	Stochastic Approaches for Multiscale Modelling in Geosciences	1				O (19)	
		2					
		3					
		4					
		5				P (XY762)	