

NP – Nonlinear Processes in Geophysics – Oral Sessions

Monday, 04 April

MO1 , 08:30–10:00	CL3.1/NP5.5 , Decadal, seasonal and monthly forecasts (co-organized), Room 17, 08:30–10:00
	HS7.1/AS4.8/NH1.10/NP3.9 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), Room 33, 08:30–12:00
	NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, Room 13, 08:30–12:00
	OS1.2/CL2.2 , The North Atlantic and climate (co-listed), Room D, 08:30–17:00
	SM3.1 , Seismic Imaging of the Earth's Interior: Theoretical and Methodological Achievements in Seismic imaging (co-listed), Room 27, 08:30–10:00
MO2 , 10:30–12:00	HS7.1/AS4.8/NH1.10/NP3.9 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), Room 33, 08:30–12:00
	NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, Room 13, 08:30–12:00
	OS1.2/CL2.2 , The North Atlantic and climate (co-listed), Room D, 08:30–17:00
MO3 , 13:30–15:00	AS1.5/NP3.10/OS2.6 , Recent Developments in Geophysical Fluid Dynamics (co-organized), Room 14, 13:30–17:00
	HS7.3/CL3.7/NP1.4 , Climate, water and health (co-organized), Room 33, 13:30–15:00
	NP4.2 , Satellite time series analysis, Room 13, 13:30–17:00
	SSS2.6/HS12.12/NP3.12 , Sediment dynamics, models and scaling (co-organized), Room 9, 13:30–17:00
MO4 , 15:30–17:00	AS1.5/NP3.10/OS2.6 , Recent Developments in Geophysical Fluid Dynamics (co-organized), Room 14, 13:30–17:00
	HS7.5/NP6.7 , Hydroclimatic stochasticity (co-organized), Room 33, 15:30–17:15
	NP4.2 , Satellite time series analysis, Room 13, 13:30–17:00
	OS1.2/CL2.2 , The North Atlantic and climate (co-listed), Room D, 08:30–17:00
	SM3.3 , The QUEST project: progress on inverting seismic waveforms for sources and Earth's structure using 3-D wave propagation (co-listed), Room 27, 15:30–17:00
	SSS2.6/HS12.12/NP3.12 , Sediment dynamics, models and scaling (co-organized), Room 9, 13:30–17:00

Tuesday, 05 April

TU1 , 08:30–10:00	CL4.1/NP8.2 , Stochasticity and Statistical Physics in Climate Dynamics (co-organized), Room 13, 08:30–10:00
	OS1.2/CL2.2 , The North Atlantic and climate (co-listed), Room D, 08:30–17:00
TU2 , 10:30–12:00	NP8.1 , Stochastic Approaches for Multiscale Modelling in Geosciences, Room 13, 10:30–12:00
TU3 , 13:30–15:00	GM2.5 , Simplicity and complexity in evolution of coupled geomorphologic systems: concepts, models and applications (co-listed), Room 21, 13:30–17:00

	NP1.1 , Advances and Challenges in Nonlinear Geosciences (including Lewis Fry Richardson Medal Lecture & Outstanding Young Scientist Lecture), Room 18, 13:30–17:30
TU4 , 15:30–17:00	GM2.5 , Simplicity and complexity in evolution of coupled geomorphologic systems: concepts, models and applications (co-listed), Room 21, 13:30–17:00
	NP1.1 , Advances and Challenges in Nonlinear Geosciences (including Lewis Fry Richardson Medal Lecture & Outstanding Young Scientist Lecture), Room 18, 13:30–17:30
Wednesday, 06 April	
WE1 , 08:30–10:00	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-listed), Room 20, 08:30–17:00
	NP2.1 , ENSO: Dynamics, Predictability and Modelling, Room 18, 08:30–10:15
	NP5.1 , Nonlinear instabilities and predictability, Room 13, 08:30–12:00
WE2 , 10:30–12:00	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-listed), Room 20, 08:30–17:00
	NP3.1 , Nonlinearity, scaling and complexity in the atmosphere, ocean and the climate system, Room 18, 10:30–15:15
	NP5.1 , Nonlinear instabilities and predictability, Room 13, 08:30–12:00
WE3 , 13:30–15:00	EOS04 , Contemporary Education in a Changing World (co-listed), Room 29, 13:30–17:00
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-listed), Room 20, 08:30–17:00
	HS2.21/NP3.13 , Scaling, subgrid models, downscaling and parameterization (co-organized), Room 36, 13:30–15:00
	NH5.3/NP7.3/OS2.5 , Nonlinear Dynamics of the Coastal Zone (co-organized), Room 4, 13:30–17:00
	NP2.3/AS4.20/CL4.6/GM2.7/HS12.9 , Modelling and Understanding Geophysical Systems as Complex Networks (co-organized), Room 13, 13:30–15:00
	NP3.1 , Nonlinearity, scaling and complexity in the atmosphere, ocean and the climate system, Room 18, 10:30–15:15
WE4 , 15:30–17:00	EOS04 , Contemporary Education in a Changing World (co-listed), Room 29, 13:30–17:00
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-listed), Room 20, 08:30–17:00
	NH5.3/NP7.3/OS2.5 , Nonlinear Dynamics of the Coastal Zone (co-organized), Room 4, 13:30–17:00
	NP3.2 , Geocomplexity: Patterns and Processes in the Geosciences, Room 18, 15:30–17:15
	NP6.3/AS4.11 , Turbulence in the Atmosphere (co-organized), Room 13, 15:30–17:00
Thursday, 07 April	

TH1 , 08:30–10:00	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), Room 13, 08:30–12:00
	NP5.2 , Inverse Problems and Data Assimilation in Geosciences, Room 18, 08:30–15:00
	OS5.2 , Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), Room 11, 08:30–15:00
TH2 , 10:30–12:00	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), Room 13, 08:30–12:00
	NP5.2 , Inverse Problems and Data Assimilation in Geosciences, Room 18, 08:30–15:00
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
	OS5.2 , Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), Room 11, 08:30–15:00
TH3 , 13:30–15:00	NP3.7 , Geophysical Downscaling Methods, Room 13, 13:30–15:15
	NP5.2 , Inverse Problems and Data Assimilation in Geosciences, Room 18, 08:30–15:00
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
	OS5.2 , Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), Room 11, 08:30–15:00
TH4 , 15:30–17:00	NP7.1/OS5.3 , Non linear waves, wind-wave-current interactions, internal waves in stratified media and ocean mixing and coastal hydromorphology (co-organized), Room 17, 15:30–17:00
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Room 6, 10:30–17:00
Friday, 08 April	
FR1 , 08:30–10:00	NH5.2/NP7.4/OS5.5 , Extreme Sea Waves (co-organized), Room 4, 08:30–15:00
	NP6.1 , Mixing, Diffusion and Lagrangian transport in Geophysical Flows., Room 13, 08:30–10:00
FR2 , 10:30–12:00	NH5.2/NP7.4/OS5.5 , Extreme Sea Waves (co-organized), Room 4, 08:30–15:00
	NP6.4/ST6.4 , Astrophysical Turbulence, Shocks and Plasmas (co-organized), Room 13, 10:30–12:00
FR3 , 13:30–15:00	NH5.2/NP7.4/OS5.5 , Extreme Sea Waves (co-organized), Room 4, 08:30–15:00
	NP6.5 , Turbulence, Vortices and Waves in Stratified and Rotating Fluids, Room 13, 13:30–15:00
FR4 , 15:30–17:00	NP6.6/ST6.5 , Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems (co-organized), Room 13, 15:30–17:00
	SSS1.2/HS12.13/NP3.11 , Wind-driven rain and aeolian sediment transport in environmental studies (co-organized), Room 9, 15:30–17:00

NP – Nonlinear Processes in Geophysics – Poster Sessions**Monday, 04 April**

MO3 , 13:30–15:00	CL3.1/NP5.5 , Decadal, seasonal and monthly forecasts (co-organized), Hall XL, XL81–XL95
	NP3.7 , Geophysical Downscaling Methods, Halls X/Y, XY524–XY542
MO5 , 17:30–19:00	AS1.5/NP3.10/OS2.6 , Recent Developments in Geophysical Fluid Dynamics (co-organized), Halls X/Y, XY1–XY21
	HS7.1/AS4.8/NH1.10/NP3.9 , Precipitation: from measurement to modelling and application in catchment hydrology (co-organized), Hall A, A367–A393
	HS7.3/CL3.7/NP1.4 , Climate, water and health (co-organized), Hall A, A394–A407
	HS7.5/NP6.7 , Hydroclimatic stochasticity (co-organized), Hall A, A408–A419
	NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, Halls X/Y, XY543–XY559
	NP4.2 , Satellite time series analysis, Halls X/Y, XY560–XY582
	SM3.1 , Seismic Imaging of the Earth's Interior: Theoretical and Methodological Achievements in Seismic imaging (co-listed), Halls X/Y, XY695–XY709
	SM3.3 , The QUEST project: progress on inverting seismic waveforms for sources and Earth's structure using 3-D wave propagation (co-listed), Halls X/Y, XY735–XY751
	SM3.7 , Multi-dimensional electromagnetic modelling and inversion (co-listed), Halls X/Y, XY769–XY776
SSS2.6/HS12.12/NP3.12 , Sediment dynamics, models and scaling (co-organized), Hall Z, Z58–Z77	

Tuesday, 05 April

TU5 , 17:30–19:00	CL4.1/NP8.2 , Stochasticity and Statistical Physics in Climate Dynamics (co-organized), Halls X/Y, XY330–XY347
	GM2.5 , Simplicity and complexity in evolution of coupled geomorphologic systems: concepts, models and applications (co-listed), Hall A, A106–A125
	NP1.2 , Open session on Nonlinear Inversion in Geophysics, Halls X/Y, XY657–XY666
	NP3.3 , Fractal and multifractal analysis and their applications in solid earth geoscience, Halls X/Y, XY667–XY672
	NP8.1 , Stochastic Approaches for Multiscale Modelling in Geosciences, Halls X/Y, XY673–XY676
	OS1.2/CL2.2 , The North Atlantic and climate (co-listed), Halls X/Y, XY677–XY724

Wednesday, 06 April

WE2 , 10:30–12:00	NP7.1/OS5.3 , Non linear waves, wind-wave-current interactions, internal waves in stratified media and ocean mixing and coastal hydromorphology (co-organized), Halls X/Y, XY514–XY523
WE3 , 13:30–15:00	NP2.1 , ENSO: Dynamics, Predictability and Modelling, Halls X/Y, XY417–XY434

WE4 , 15:30–17:00	HS2.21/NP3.13 , Scaling, subgrid models, downscaling and parameterization (co-organized), Hall A, A268–A283
	NP5.1 , Nonlinear instabilities and predictability, Halls X/Y, XY488–XY513
WE5 , 17:30–19:00	EOS04 , Contemporary Education in a Changing World (co-listed), Hall XL, XL1–XL16
	GMPV12/NH2.4 , Measuring and modelling of volcano eruption dynamics (including 2011 Robert Wilhelm Bunsen Medal Lecture) (co-listed), Hall A, A156–A177
	NH5.3/NP7.3/OS2.5 , Nonlinear Dynamics of the Coastal Zone (co-organized), Halls X/Y, XY342–XY356
	NP2.3/AS4.20/CL4.6/GM2.7/HS12.9 , Modelling and Understanding Geophysical Systems as Complex Networks (co-organized), Halls X/Y, XY435–XY446
	NP3.1 , Nonlinearity, scaling and complexity in the atmosphere, ocean and the climate system, Halls X/Y, XY447–XY477
NP3.2 , Geocomplexity: Patterns and Processes in the Geosciences, Halls X/Y, XY478–XY487	
Thursday, 07 April	
TH3 , 13:30–15:00	NP6.3/AS4.11 , Turbulence in the Atmosphere (co-organized), Halls X/Y, XY577–XY588
TH4 , 15:30–17:00	NP3.8/SSS5.7 , Scaling, Nonlinearity, and Complexity in soils and surface hydrology (co-organized), Halls X/Y, XY550–XY576
TH5 , 17:30–19:00	NP6.5 , Turbulence, Vortices and Waves in Stratified and Rotating Fluids, Halls X/Y, XY589–XY600
Friday, 08 April	
FR1 , 08:30–10:00	SSS1.2/HS12.13/NP3.11 , Wind-driven rain and aeolian sediment transport in environmental studies (co-organized), Hall Z, Z49–Z57
FR2 , 10:30–12:00	NP5.2 , Inverse Problems and Data Assimilation in Geosciences, Halls X/Y, XY335–XY368
	OS4.4 , Physical and biogeochemical ocean modelling: development, assessment, and applications (co-listed), Halls X/Y, XY424–XY449
FR3 , 13:30–15:00	NP6.1 , Mixing, Diffusion and Lagrangian transport in Geophysical Flows., Halls X/Y, XY369–XY381
	NP6.4/ST6.4 , Astrophysical Turbulence, Shocks and Plasmas (co-organized), Halls X/Y, XY382–XY393
	NP6.6/ST6.5 , Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems (co-organized), Halls X/Y, XY394–XY399
	OS5.2 , Surface Waves and Wave-Coupled Effects in Lower Atmosphere and Upper Ocean (co-listed), Halls X/Y, XY450–XY474
FR4 , 15:30–17:00	NH5.2/NP7.4/OS5.5 , Extreme Sea Waves (co-organized), Halls X/Y, XY263–XY289