

NP – Nonlinear Processes in Geophysics – Oral Sessions

Monday, 23 April

MO1 , 08:30–10:00	HS1.3 , Metrics, measures and objective functions in Hydrology' (co-listed), 08:30–10:00 in Room 39
	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), 08:30–17:00 in Room D
	NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, 08:30–12:15 in Room 17
	SC1/NP1.5 , Shourt Course: Tipping Points in the Geosciences (co-organized), 08:30–12:00 in Room 25
MO2 , 10:30–12:00	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), 08:30–17:00 in Room D
	NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, 08:30–12:15 in Room 17
	PSD8.6 , NP8.2 - Stochastic Approaches for Multiscale Modelling in Geosciences, 10:30–11:15 in Room 37
	SC1/NP1.5 , Shourt Course: Tipping Points in the Geosciences (co-organized), 08:30–12:00 in Room 25
MO3 , 13:30–15:00	NP4.2 , Satellite time series analysis, 13:30–15:15 in Room 17
	PSD19.13 , NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 - Spatial and temporal patterns of wildfires: models, theory, and reality, 14:30–15:15 in Room 37
MO4 , 15:30–17:00	NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), 08:30–17:00 in Room D
	NP4.4 , Wavelet transform for geoscience applications, 15:30–17:00 in Room 17
MO6 , 19:00–20:00	TM1/EOS12 , Complexity Education in the Geosciences (co-listed), 19:00–20:00 in Room 4

Tuesday, 24 April

TU1 , 08:30–10:00	NP8.1/CL5.2 , Stochasticity and Statistical Physics in Climate Dynamics (co-organized), 08:30–10:15 in Room 28
	PSD8.3 , NP4.2 - Satellite time series analysis, 08:30–09:15 in Room 40
TU2 , 10:30–12:00	CL5.4/NP4.5 , Climate Time Series Analysis (co-organized), 10:30–12:00 in Room 13
	NP8.2 , Stochastic Approaches for Multiscale Modelling in Geosciences, 10:30–12:15 in Room 28
	PSD8.2 , NP3.2 - Geophysical Extremes: Scaling representations and their applications, 10:30–11:15 in Room 40
	SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), 10:30–15:00 in Room 22
TU3 , 13:30–15:00	NH4.2/NP7.4/SM5.3/TS8.7 , Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), 13:30–17:15 in Room 1

	NP1.1 , Advances and Challenges in Nonlinear Geosciences (including Lewis Fry Richardson Medal Lecture), 13:30–17:15 in Room 18
	SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), 10:30–15:00 in Room 22
TU4 , 15:30–17:00	NH4.2/NP7.4/SM5.3/TS8.7 , Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), 13:30–17:15 in Room 1
	NP1.1 , Advances and Challenges in Nonlinear Geosciences (including Lewis Fry Richardson Medal Lecture), 13:30–17:15 in Room 18
Wednesday, 25 April	
WE1 , 08:30–10:00	NP2.1 , ENSO: Dynamics, Predictability and Modelling, 08:30–10:15 in Room 17
WE2 , 10:30–12:00	NH5.3/NP 7.3/OS2.6 , Nonlinear Dynamics of the Coastal Zone (co-organized), 10:30–15:00 in Room 1
	NP2.2/AS1.19 , Nonlinear Dynamics of the Atmosphere, Ocean and the Climate System (co-organized), 10:30–12:15 in Room 17
WEL , 12:15–13:15	PSD19.9 , NH5.3/NP 7.3/OS2.6 - Nonlinear Dynamics of the Coastal Zone, 12:15–13:00 in Room 35
WE3 , 13:30–15:00	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), 13:30–17:00 in Room 13
	NH5.3/NP 7.3/OS2.6 , Nonlinear Dynamics of the Coastal Zone (co-organized), 10:30–15:00 in Room 1
	NP2.6 , Complex networks: Theory and methods applied to geophysical systems, 13:30–15:15 in Room 28
	NP3.1 , Nonlinear, scaling and complex Physical and Biogeophysical Processes in the Atmosphere and Ocean, 13:30–15:15 in Room 17
WE4 , 15:30–17:00	AS1.7/NP1.4 , Recent Developments in Geophysical Fluid Dynamics (co-organized), 15:30–17:00 in Room 10
	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), 13:30–17:00 in Room 13
	GM2.4 , Complexity and nonlinearity in Earth surface processes – Concepts, methods and applications (co-listed), 15:30–17:00 in Room 21
	NP2.4/CL5.5 , Climate Sensitivity (co-organized), 15:30–17:00 in Room 17
	NP3.3 , Subgrid models and parameterization, 15:30–17:15 in Room 28
Thursday, 26 April	
TH1 , 08:30–10:00	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), 08:30–12:00 in Room 33
	NP3.4/BG2.23/SSS1.7 , Scaling, Nonlinearity, and Complexity in soils (co-organized), 08:30–12:15 in Room 18
	NP5.2 , Predictability, Dynamics, Inverse Problems and Data Assimilation, 08:30–12:30 in Room 28
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12
	SC2/NP1.6 , Short Course: Nonlinear Time Series Analysis (co-organized), 08:30–12:00 in Room 25
TH2 , 10:30–12:00	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), 08:30–12:00 in Room 33
	NP3.4/BG2.23/SSS1.7 , Scaling, Nonlinearity, and Complexity in soils (co-organized), 08:30–12:15 in Room 18

	NP5.2 , Predictability, Dynamics, Inverse Problems and Data Assimilation, 08:30–12:30 in Room 28
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12
	PSD8.8 , NP6.4/PS9.4 - Solar wind and astrophysical turbulence and shocks, 10:30–11:15 in Room 40
	SC2/NP1.6 , Short Course: Nonlinear Time Series Analysis (co-organized), 08:30–12:00 in Room 25
TH3 , 13:30–15:00	NP6.3/AS2.4 , Turbulence in the Atmosphere (co-organized), 13:30–15:15 in Room 17
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12
	PSD8.7 , NP7.2 - Wind-wave-current interactions, internal waves in stratified media and ocean mixing, 14:30–15:15 in Room 37
TH4 , 15:30–17:00	NP5.3 , Nonlinear optimal modes and their applications in predictability, sensitivity and stability studies, 15:30–17:15 in Room 17
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), 08:30–17:00 in Room 12
Friday, 27 April	
FR1 , 08:30–10:00	ERE1.2 , Wind Power Meteorology (co-listed), 08:30–12:00 in Room 19
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	NP6.1 , Mixing, Diffusion and Lagrangian transport in Geophysical Flows., 08:30–10:00 in Room 28
	PSD8.5 , NP6.6 - Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems, 08:30–09:15 in Room 40
FR2 , 10:30–12:00	ERE1.2 , Wind Power Meteorology (co-listed), 08:30–12:00 in Room 19
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	NP6.5 , Turbulence, Vortices and Waves in Stratified and Rotating Fluids, 10:30–12:00 in Room 28
FR3 , 13:30–15:00	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	NP6.6 , Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems, 13:30–15:15 in Room 28
FR4 , 15:30–17:00	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), 08:30–17:00 in Room 33
	HS7.5/NP8.3 , Hydroclimatic stochasticity (co-organized), 15:30–17:00 in Room 34

NP – Nonlinear Processes in Geophysics – Poster Sessions

Monday, 23 April

MO2 , 10:30–12:00	PSD8.6 , NP8.2 - Stochastic Approaches for Multiscale Modelling in Geosciences, 10:30–11:15 in Room 37
MO3 , 13:30–15:00	PSD19.13 , NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 - Spatial and temporal patterns of wildfires: models, theory, and reality, 14:30–15:15 in Room 37
MO5 , 17:30–19:00	HS1.3 , Metrics, measures and objective functions in Hydrology' (co-listed), in Hall A , A61–A74 NH7.3/AS4.3/BG2.25/ESSI1.8/NP4.6/SSS5.24 , Spatial and temporal patterns of wildfires: models, theory, and reality (co-organized), in Hall X/Y , XY281–XY309 Related: PSD19.13, see MO3 NP1.2 , Open session on Nonlinear Inversion in Geophysics, in Hall X/Y , XY337–XY345 NP4.1 , Time Series Analysis in the Geosciences - Concepts, Methods & Applications, in Hall X/Y , XY346–XY364 NP8.1/CL5.2 , Stochasticity and Statistical Physics in Climate Dynamics (co-organized), in Hall X/Y , XY365–XY376 NP8.2 , Stochastic Approaches for Multiscale Modelling in Geosciences, in Hall X/Y , XY377–XY384 Related: PSD8.6, see MO2

Tuesday, 24 April

TU1 , 08:30–10:00	PSD8.3 , NP4.2 - Satellite time series analysis, 08:30–09:15 in Room 40
TU2 , 10:30–12:00	PSD8.2 , NP3.2 - Geophysical Extremes: Scaling representations and their applications, 10:30–11:15 in Room 40
TU5 , 17:30–19:00	CL5.4/NP4.5 , Climate Time Series Analysis (co-organized), in Hall Z , Z87–Z104 NH4.2/NP7.4/SM5.3/TS8.7 , Fracture and earthquake physics: modeling precursory phenomena and seismic hazard also with nonlinear seismology (including Plinius Medal Lecture) (co-organized), in Hall X/Y , XY250–XY265 NP2.4/CL5.5 , Climate Sensitivity (co-organized), in Hall X/Y , XY278–XY286 NP3.1 , Nonlinear, scaling and complex Physical and Biogeophysical Processes in the Atmosphere and Ocean, in Hall X/Y , XY287–XY300 NP3.2 , Geophysical Extremes: Scaling representations and their applications, in Hall X/Y , XY301–XY309 Related: PSD8.2, see TU2 NP4.2 , Satellite time series analysis, in Hall X/Y , XY310–XY323 Related: PSD8.3, see TU1 NP4.4 , Wavelet transform for geoscience applications, in Hall X/Y , XY324–XY332 SSS5.8 , Models and scaling: Assessing impact of climate change and land management on erosion and sediment dynamics (co-listed), in Hall X/Y , XY582–XY596

Wednesday, 25 April

WEL , 12:15–13:15	PSD19.9 , NH5.3/NP 7.3/OS2.6 - Nonlinear Dynamics of the Coastal Zone, 12:15–13:00 in Room 35
WE4 , 15:30–17:00	NP2.6 , Complex networks: Theory and methods applied to geophysical systems, in Hall X/Y , XY395–XY410

WE5 , 17:30–19:00	AS1.7/NP1.4 , Recent Developments in Geophysical Fluid Dynamics (co-organized), in Hall X/Y , XY30–XY54
	CL3.3/NP5.4 , Centennial, decadal, seasonal and monthly climate predictions (co-organized), in Hall Z , Z74–Z105
	GM2.4 , Complexity and nonlinearity in Earth surface processes – Concepts, methods and applications (co-listed), in Hall XL , XL115–XL127 Related: PSD12.6, see WE3
	NH5.3/NP 7.3/OS2.6 , Nonlinear Dynamics of the Coastal Zone (co-organized), in Hall X/Y , XY274–XY291 Related: PSD19.9, see WEL
	NP2.1 , ENSO: Dynamics, Predictability and Modelling, in Hall X/Y , XY369–XY382
	NP2.2/AS1.19 , Nonlinear Dynamics of the Atmosphere, Ocean and the Climate System (co-organized), in Hall X/Y , XY383–XY394
	NP3.3 , Subgrid models and parameterization, in Hall X/Y , XY411–XY425
	NP3.4/BG2.23/SSS1.7 , Scaling, Nonlinearity, and Complexity in soils (co-organized), in Hall X/Y , XY426–XY446
Thursday, 26 April	
TH2 , 10:30–12:00	PSD8.8 , NP6.4/PS9.4 - Solar wind and astrophysical turbulence and shocks, 10:30–11:15 in Room 40
TH3 , 13:30–15:00	PSD8.7 , NP7.2 - Wind-wave-current interactions, internal waves in stratified media and ocean mixing, 14:30–15:15 in Room 37
TH5 , 17:30–19:00	HS7.1 , Precipitation: from measurement to modelling and application in catchment hydrology (co-listed), in Hall A , A78–A103
	HS7.2/AS1.20/CL5.16/NH1.3/NP3.6 , Precipitation uncertainty and variability: observations, ensemble simulation and downscaling (co-organized), in Hall A , A104–A138
	HS7.3/CL2.9/NP1.3 , Climate, water and health (co-organized), in Hall A , A139–A151
	NP5.2 , Predictability, Dynamics, Inverse Problems and Data Assimilation, in Hall X/Y , XY630–XY655
	NP5.3 , Nonlinear optimal modes and their applications in predictability, sensitivity and stability studies, in Hall X/Y , XY656–XY669
	NP6.3/AS2.4 , Turbulence in the Atmosphere (co-organized), in Hall X/Y , XY670–XY683
	NP6.4/PS9.4 , Solar wind and astrophysical turbulence and shocks (co-organized), in Hall X/Y , XY684–XY692 Related: PSD8.8, see TH2
	NP7.2 , Wind-wave-current interactions, internal waves in stratified media and ocean mixing, in Hall X/Y , XY693–XY699 Related: PSD8.7, see TH3
Friday, 27 April	
FR1 , 08:30–10:00	PSD8.5 , NP6.6 - Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems, 08:30–09:15 in Room 40
FR2 , 10:30–12:00	NP6.6 , Magnetic reconnection and turbulence in Space, Laboratory and Astrophysical Systems, in Hall X/Y , XY299–XY310 Related: PSD8.5, see FR1
	OS1.2 , The North Atlantic: natural variability and global change (co-listed), in Hall X/Y , XY311–XY350 Related: PSD7.16, see FR1
FR3 , 13:30–15:00	ERE1.2 , Wind Power Meteorology (co-listed), in Hall XL , XL1–XL22
	HS7.5/NP8.3 , Hydroclimatic stochasticity (co-organized), in Hall A , A213–A226

	NP6.1 , Mixing, Diffusion and Lagrangian transport in Geophysical Flows., in Hall X/Y, XY284–XY292
	NP6.5 , Turbulence, Vortices and Waves in Stratified and Rotating Fluids, in Hall X/Y, XY293–XY298