NP – Nonlinear Processes in Geosciences (#EGU18NP) – Orals

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	Monday, 09 April
MO1 , 08:30–10:00	NP4.1/CL5.29/NH11.20, Time Series Analysis in the Geosciences - Concepts, Methods and Applications (co-organized), 08:30–10:00, Room M2
	NP7.2/OS5.4, Nonlinear and turbulent processes under high wind conditions. New and old physics, remote sensing (co-organized), 08:30–10:00, Room L2
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), 08:30–11:45, Room 0.49
MO2 , 10:30–12:00	NP6.1/AS2.5, Turbulence in the Atmosphere and Ocean (co-organized), 10:30–15:00, Room M2
	IE4.1/NP4.3/AS5.13/CL5.18/ESSI2.3/GD10.6/HS3.7/NH11.14/SM7.03, Big data and machine learning in geosciences (co-organized), 10:30–17:00 Room N2
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), 08:30–11:45, Room 0.49
	GDB2, Hands on or hands off?, 10:30–12:00, Room E1
MOL , 12:15–13:15	PCN2, EGU Plenary, 12:15–13:15, Room E1
MO3 , 13:30–15:00	NP6.1/AS2.5, Turbulence in the Atmosphere and Ocean (co-organized), 10:30–15:00, Room M2
	IE4.1/NP4.3/AS5.13/CL5.18/ESSI2.3/GD10.6/HS3.7/NH11.14/SM7.03, Big data and machine learning in geosciences (co-organized), 10:30–17:00 Room N2
	US2, The future of Earth and Planetary Observations from Space, 13:30–17:00, Room E1
MO4 , 15:30–17:00	NP2.2/AS1.9/CL2.11, Dynamical Extremes in Climate Sciences (co-organized), 15:30–17:00, Room M2
	IE4.1/NP4.3/AS5.13/CL5.18/ESSI2.3/GD10.6/HS3.7/NH11.14/SM7.03, Big data and machine learning in geosciences (co-organized), 10:30–17:00 Room N2
	US2, The future of Earth and Planetary Observations from Space, 13:30–17:00, Room E1
MO6 , 19:00–20:00	SC1.24/CL6.01/NP8.1, Simple applications of dynamical systems theory to real-world climate data (co-organized), 19:00–20:00, Room -2.31
	Tuesday, 10 April
TU1 , 08:30–10:00	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), 08:30–12:00, Room L2
TU1b , 09:00–10:00	US1, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), 09:00–12:00, Room E1
TU2 , 10:30–12:00	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), 08:30–12:00, Room L2
	US1, Past achievements and future challenges for the Geosciences (co-sponsored by AGU), 09:00–12:00, Room E1
TU3 , 13:30–15:00	NP6.2, Recent developments in Geophysical Fluid Dynamics: Waves, Turbulence, Transport and Intermittency, 13:30–15:00, Room M1

	NP7.1, Unusual waves in geophysics, 13:30–15:00, Room M2		
	CL3.04/NP5.6, Climate Predictions from monthly, seasonal to decadal time scales (co-organized), 13:30–15:00, Room 0.14		
	GDB4, Low-risk geo-engineering: are techniques available now?, 13:30–15:00, Room E1		
TU4 , 15:30–17:00	NP7.3/NH5.8/OS2.13, Wave-current interactions (co-organized), 15:30–17:00, Room M2		
	SC1.33/NP8.5, Data assimilation in the geosciences - An Overview (co-organized), 15:30–17:00, Room -2.85		
TU6 , 19:00–20:00	SC1.27/NP8.3, Geophysical time series analysis (co-organized), 19:00–20:00, Room -2.91		
TU6a , 19:00–20:30	GDB3, The Early Career Scientists' Great Debate: Should early career scientists use time developing transferrable skills?, 19:00–20:30, Room E1		
Wednesday, 11 April			
WE1, 08:30-10:00	NP5.1, Inverse Problems, Data Assimilation and Predictability Studies in Geophysics, 08:30–12:00, Room L2		
	US4, Fifty years of International Ocean Drilling, 08:30–12:00, Room E1		
WE2, 10:30–12:00	NP5.1, Inverse Problems, Data Assimilation and Predictability Studies in Geophysics, 08:30–12:00, Room L2		
	CL3.03/AS4.12/BG4.13/HS11.8/NH11.15/NP5.5/SSS13.13, Earth System Prediction and Application (co-organized), 10:30–12:00, Room 0.94		
	US4, Fifty years of International Ocean Drilling, 08:30–12:00, Room E1		
WEL, 12:15–13:15	DM15/NP, Division meeting for Nonlinear Processes in Geosciences (NP) (co-organized), 12:15–13:15, Room M2		
WE3 , 13:30–15:00	NP5.3/AS1.5/HS4.8, Advances in statistical post-processing for deterministic and ensemble forecasts (co-organized), 13:30–15:00, Room 0.49		
	HS7.1/AS1.18/NP3.3, Precipitation measurement: techniques, processes and hydrological applications at the catchment scale (co-organized), 13:30–17:00, Room B		
WE4 , 15:30–17:00	NP3.1, Scaling, multifractals and Nonlinear dynamics in the atmosphere, ocean and environment, 15:30–17:00, Room L3		
	HS7.1/AS1.18/NP3.3, Precipitation measurement: techniques, processes and hydrological applications at the catchment scale (co-organized), 13:30–17:00, Room B		
	SC1.32/NP8.2, Response, variability and transitions in geophysical systems (co-organized), 15:30–17:00, Room -2.31		
WE5, 17:30–19:00	PCN3, EGU Award Ceremony, 17:30–20:00, Room E1		
WE6 , 19:00–20:00	PCN3, EGU Award Ceremony, 17:30–20:00, Room E1		
Thursday, 12 April			
TH1 , 08:30–10:00	NP1.1/CL4.03, Mathematics of Planet Earth (including Lewis Fry Richardson Medal Lecture and NP Division Outstanding ECS Lecture) (co-organized), 08:30–17:00, Room L3		
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), 08:30–12:00, Room N2		
	HS7.2/AS1.17/CL2.06/NH1.17/NP5.4, Precipitation Modelling: uncertainty, variability, assimilation, ensemble simulation and downscaling (co-organized), 08:30–15:00, Room B		

	US3, Cassini and future perspectives for the exploration of the outer solar system, 08:30–12:00, Room E1
TH2 , 10:30–12:00	NP1.1/CL4.03, Mathematics of Planet Earth (including Lewis Fry Richardson Medal Lecture and NP Division Outstanding ECS Lecture) (co-organized), 08:30–17:00, Room L3
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), 08:30–12:00, Room N2
	HS7.2/AS1.17/CL2.06/NH1.17/NP5.4, Precipitation Modelling: uncertainty, variability, assimilation, ensemble simulation and downscaling (co-organized), 08:30–15:00, Room B
	US3, Cassini and future perspectives for the exploration of the outer solar system, 08:30–12:00, Room E1
TH3 , 13:30–15:00	NP1.1/CL4.03 , Mathematics of Planet Earth (including Lewis Fry Richardson Medal Lecture and NP Division Outstanding ECS Lecture) (co-organized), 08:30–17:00 , Room E2
	IE2.8/CL4.02/AS1.7/BG1.40/NP2.6/OS1.22, Constraining climate sensitivity from various lines of evidence (co-organized), 13:30–15:00, Room N2
	ML43/NP, NP Division Outstanding ECS Lecture by Davide Faranda (co-organized), 13:30–13:45, Room E2
	HS7.2/AS1.17/CL2.06/NH1.17/NP5.4, Precipitation Modelling: uncertainty, variability, assimilation, ensemble simulation and downscaling (co-organized), 08:30–15:00, Room B
	GDB5, Natural versus anthropogenic threats for life on Earth, 13:30–15:00, Room E1
TH4 , 15:30–17:00	NP1.1/CL4.03, Mathematics of Planet Earth (including Lewis Fry Richardson Medal Lecture and NP Division Outstanding ECS Lecture) (co-organized), 08:30–17:00, Room E2
	ML20/NP, Lewis Fry Richardson Medal Lecture by Timothy N. Palmer (co-organized), 16:00–17:00, Room E2
	Friday, 13 April
FR1 , 08:30–10:00	NP2.4, New model and data-based approaches to study climate behavior, 08:30–12:00, Room M1
	US5, Scientific research in a changing European Union: where we stand and what we aim for?, 08:30-10:00, Room E1
FR2, 10:30–12:00	NP2.4, New model and data-based approaches to study climate behavior, 08:30–12:00, Room M1
	SC1.25/CL6.07/NP8.4, Scales and scaling in the climate system (co-organized), 10:30–12:00, Room -2.31
FR3 , 13:30–15:00	NH5.6/NP7.4/OS5.5, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), 13:30–15:00, Room L4/5
FR4 , 15:30–17:00	NP6.6/AS4.17/ST1.11 , Turbulence, magnetic reconnection, shocks and particle acceleration: nonlinear processes in space, laboratory and astrophysical plasmas (co-organized), 15:30–17:00 , Room L7

NP – Nonlinear Processes in Geosciences (#EGU18NP) – PICO

Monday, 09 April		
MO3 , 13:30–15:00	CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9, The development of geoscientific modelling (co-organized), PICO spot 5a	
MO4 , 15:30–17:00	CL5.02/AS5.7/BG1.38/GD10.9/GI0.5/GM2.10/GMPV10.9/HS11.25/NH11.1/NP9.4/OS4.14/PS6.4/SM7.04/SSP1.12/SSS13.12/ST4.8/TS11.9, The development of geoscientific modelling (co-organized), PICO spot 5a	
Wednesday, 11 April		
WE1, 08:30-10:00	HS7.3/CL2.19/ERE2.5/NH1.16/NP9.1, Water, climate, food and health (co-organized), PICO spot 5b	
WE2 , 10:30–12:00	HS7.3/CL2.19/ERE2.5/NH1.16/NP9.1, Water, climate, food and health (co-organized), PICO spot 5b	
Thursday, 12 April		
TH4 , 15:30–17:00	IE1.1/BG1.15/NH8.7/NP9.3, Climate extremes, biosphere and society: impacts, remote sensing, and feedbacks (co-organized), PICO spot 4	

NP – Nonlinear Processes in Geosciences (#EGU18NP) – Posters

	Monday, 09 April
MO5 , 17:30–19:00	NP2.2/AS1.9/CL2.11, Dynamical Extremes in Climate Sciences (co-organized), Hall X3, X3.1-X3.27
	NP4.1/CL5.29/NH11.20, Time Series Analysis in the Geosciences - Concepts, Methods and Applications (co-organized), Hall X3, X3.28–X3.43
	NP6.1/AS2.5, Turbulence in the Atmosphere and Ocean (co-organized), Hall X3, X3.76–X3.113
	NP7.2/OS5.4, Nonlinear and turbulent processes under high wind conditions. New and old physics, remote sensing (co-organized), Hall X3, X3.114–X3.135
	IE4.1/NP4.3/AS5.13/CL5.18/ESSI2.3/GD10.6/HS3.7/NH11.14/SM7.03, Big data and machine learning in geosciences (co-organized), Hall X3, X3.44–X3.75
	GI0.2/AS4.23/BG1.27/CL5.15/EMRP4.36/ERE1.8/G6.2/GD1.2/GM12.5/GMPV10.10/HS11.1/NH9.24/NP9.2/SM1.11/SSP1.3/SSS13.70/TS1.8, COST Actions in Geosciences: breakthrough ideas, research activities and results (co-organized), Hall X1, X1.1–X1.28
	Tuesday, 10 April
TU5 , 17:30–19:00	NP2.1/AS1.25/CL2.10/OS1.13, ENSO: Dynamics, Predictability and Modelling (co-organized), Hall X4, X4.319-X4.339
	NP6.2, Recent developments in Geophysical Fluid Dynamics: Waves, Turbulence, Transport and Intermittency, Hall X4, X4.340-X4.354
	NP7.1, Unusual waves in geophysics, Hall X4, X4.355–X4.367
	NP7.3/NH5.8/OS2.13, Wave-current interactions (co-organized), Hall X4, X4.368–X4.381
	CL3.04/NP5.6, Climate Predictions from monthly, seasonal to decadal time scales (co-organized), Hall X5, X5.389–X5.410
	Wednesday, 11 April
WE5, 17:30–19:00	NP5.1, Inverse Problems, Data Assimilation and Predictability Studies in Geophysics, Hall X4, X4.332–X4.368
	NP5.3/AS1.5/HS4.8, Advances in statistical post-processing for deterministic and ensemble forecasts (co-organized), Hall X4, X4.369–X4.388
	CL3.03/AS4.12/BG4.13/HS11.8/NH11.15/NP5.5/SSS13.13, Earth System Prediction and Application (co-organized), Hall X5, X5.302–X5.316
	Thursday, 12 April
TH5 , 17:30–19:00	NP1.1/CL4.03, Mathematics of Planet Earth (including Lewis Fry Richardson Medal Lecture and NP Division Outstanding ECS Lecture) (co-organized), Hall X4, X4.297–X4.332
	NP3.1, Scaling, multifractals and Nonlinear dynamics in the atmosphere, ocean and environment, Hall X4, X4.333–X4.348
	IE2.8/CL4.02/AS1.7/BG1.40/NP2.6/OS1.22, Constraining climate sensitivity from various lines of evidence (co-organized), Hall X5, X5.373–X5.39
	IE2.1/NP3.4/AS1.8/CL2.08/CR1.9/OS1.20/ST4.7, Climate Variability Across Scales and Climate States (co-organized), Hall X4, X4.349–X4.372

	HS7.1/AS1.18/NP3.3, Precipitation measurement: techniques, processes and hydrological applications at the catchment scale (co-organized), Hall A, A.194–A.227
	Friday, 13 April
FR3 , 13:30–15:00	NP2.4, New model and data-based approaches to study climate behavior, Hall X4, X4.260–X4.285
	HS7.2/AS1.17/CL2.06/NH1.17/NP5.4, Precipitation Modelling: uncertainty, variability, assimilation, ensemble simulation and downscaling (co-organized), Hall A, A.89–A.129
FR5 , 17:30–19:00	NP6.6/AS4.17/ST1.11, Turbulence, magnetic reconnection, shocks and particle acceleration: nonlinear processes in space, laboratory and astrophysical plasmas (co-organized), Hall X4, X4.286–X4.295
	NH5.6/NP7.4/OS5.5, Extreme Internal Wave Events: Generation, Transformation, Breaking and Interaction with the Bottom Topography (co-organized), Hall X1, X1.165–X1.177