

ST – Solar-Terrestrial Sciences (#EGU18ST) – Orals

Monday, 09 April

MO1 , 08:30–10:00	ST1.5/PS4.6 , Solar Eruptions and their Heliospheric imprint (co-organized), 08:30–10:00, Room 1.61
	ST2.1 , Open Session on the Magnetosphere (including Julius Bartels Medal Lecture), 08:30–12:00, Room G2
	ST3.5/EMRP4.33/G4.4 , Dynamics and interaction of processes in Earth and its space environment: perspectives from low-Earth orbiting satellites and beyond (co-organized), 08:30–10:00, Room 2.95
	EMRP2.5/GD4.2/GI2.12/PS6.1/ST2.11 , Earth's and planetary magnetic fields: spatial and temporal characteristics (co-organized), 08:30–10:00, Room K1
MO2 , 10:30–12:00	ST2.1 , Open Session on the Magnetosphere (including Julius Bartels Medal Lecture), 08:30–12:00, Room G2
	ML19/ST , Julius Bartels Medal Lecture by Ilya G. Usoskin (co-organized), 11:00–12:00, Room G2
	G5.1/ST3.9 , Observation-based modeling of the ionosphere - from Sun to Earth (co-organized), 10:30–12:00, Room -2.47
	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	PS2.1/ST1.8 , Small Objects and Dust: Dwarf Planets, Asteroids, Comets, Meteoroids (co-organized), 13:30–17:00, Room L1
	EMRP2.2/ST3.10 , Earth Observation with Swarm: Results from Four Years in Orbit (co-organized), 13:30–17:00, Room K1
	GI2.1/AS5.2/BG1.29/CL5.27/NH1.19/PS5.4/ST4.9 , Atmospheric and Meteorological Instrumentation (co-organized), 13:30–15:00, Room 0.49
	US2 , The future of Earth and Planetary Observations from Space, 13:30–17:00, Room E1
MO4 , 15:30–17:00	ST2.7 , Wave-particle interactions in the Earth's magnetosphere and radiation belt dynamics, 15:30–17:00, Room 1.61
	PS2.1/ST1.8 , Small Objects and Dust: Dwarf Planets, Asteroids, Comets, Meteoroids (co-organized), 13:30–17:00, Room L1
	EMRP2.2/ST3.10 , Earth Observation with Swarm: Results from Four Years in Orbit (co-organized), 13:30–17:00, Room K1
	US2 , The future of Earth and Planetary Observations from Space, 13:30–17:00, Room E1

Tuesday, 10 April

TU1 , 08:30–10:00	ST1.1 , Open Session on the Sun and Heliosphere (including Hannes Alfvén Medal Lecture), 08:30–12:00, Room L3
	ST2.5 , Mass, Momentum, and Energy Transport through boundaries in the magnetosphere, 08:30–10:00, Room 1.61
	PS2.1/ST1.8 , Small Objects and Dust: Dwarf Planets, Asteroids, Comets, Meteoroids (co-organized), 08:30–10:00, Room L1
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	ST1.1 , Open Session on the Sun and Heliosphere (including Hannes Alfvén Medal Lecture), 08:30–12:00, Room L3
	ML13/ST , Hannes Alfvén Medal Lecture by Eckart Marsch (co-organized), 11:00–12:00, Room L3

	US1 , Past achievements and future challenges for the Geosciences (co-sponsored by AGU), 09:00–12:00, Room E1
TU3 , 13:30–15:00	ST2.8 , Observations and simulations of multi-scale magnetospheric phenomena, 13:30–15:00, Room 1.61
	GDB4 , Low-risk geo-engineering: are techniques available now?, 13:30–15:00, Room E1
TU4 , 15:30–17:00	AS1.31/ST3.7 , Joint Session of the MLT and the VarSITI-ROSMIC program (co-organized), 15:30–17:00, Room 0.88
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	ST4.5/AS4.15/CL2.02 , Solar Total and Spectral Irradiance Recent Observations and Results, Links with Models and Possible Consequences for Climate (co-organized), 08:30–10:00, Room L1
	PS4.4/ST4.4 , Planetary Space Weather (including Arne Richter Award for Outstanding ECS Lecture) (co-organized), 08:30–12:00, Room 1.61
	US4 , Fifty years of International Ocean Drilling, 08:30–12:00, Room E1
WE2 , 10:30–12:00	ST4.6 , Space Climate before, during and after the Grand Modern Maximum, 10:30–12:00, Room L1
	PS4.4/ST4.4 , Planetary Space Weather (including Arne Richter Award for Outstanding ECS Lecture) (co-organized), 08:30–12:00, Room 1.61
	US4 , Fifty years of International Ocean Drilling, 08:30–12:00, Room E1
WEL , 12:15–13:15	DM21/ST , Division meeting for Solar-Terrestrial Sciences (ST) (co-organized), 12:15–13:15, Room 1.61
WE3 , 13:30–15:00	ST1.2 , Preparing for Solar Orbiter, Parker Solar Probe and the heliophysics observatory (including ST Division Outstanding ECS Lecture), 13:30–17:00, Room 1.61
	ST3.1 , Open Session on the Ionosphere and Thermosphere, 13:30–17:00, Room L1
WE4 , 15:30–17:00	ST1.2 , Preparing for Solar Orbiter, Parker Solar Probe and the heliophysics observatory (including ST Division Outstanding ECS Lecture), 13:30–17:00, Room 1.61
	ST3.1 , Open Session on the Ionosphere and Thermosphere, 13:30–17:00, Room L1
	ML47/ST , ST Division Outstanding ECS Lecture by Natasha L. S. Jeffrey (co-organized), 16:30–16:45, Room 1.61
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	ST1.4 , Turbulence and Heating in Space Plasmas, 08:30–12:00, Room L1
	ST2.3 , The role of the magnetosheath, cusps, foreshock, and transient solar wind phenomena in solar wind – magnetosphere coupling, 08:30–10:00, Room 1.61
	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
	US3 , Cassini and future perspectives for the exploration of the outer solar system, 08:30–12:00, Room E1

TH2 , 10:30–12:00	ST1.4 , Turbulence and Heating in Space Plasmas, 08:30–12:00, Room L1
	ST4.2 , Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Application, 10:30–12:00, Room 1.61
	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
	US3 , Cassini and future perspectives for the exploration of the outer solar system, 08:30–12:00, Room E1
TH3 , 13:30–15:00	PS4.5/ST1.9 , Planetary, Solar and Heliospheric Radio Emissions (co-organized), 13:30–15:00, Room L1
	GDB5 , Natural versus anthropogenic threats for life on Earth, 13:30–15:00, Room E1
TH4 , 15:30–17:00	ST4.3 , The Use of Observations and Models to Improve Space Weather Forecasting Capabilities in the Heliosphere, 15:30–17:00, Room L1
	SC3.17/ST1.12 , Meet the experts in Solar-Terrestrial science: the future of Solar-Terrestrial research (co-organized), 15:30–17:00, Room -2.31
Friday, 13 April	
FR1 , 08:30–10:00	ST1.6 , Energy conversion and particle acceleration from the Sun to the Earth: observations, simulations and empirical models, 08:30–12:00, Room L1
	ST3.2/2.12 , Magnetosphere-Ionosphere Coupling: New Phenomenological Insights from Data, Models and Theory, 08:30–10:00, Room 1.61
	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	ST1.6 , Energy conversion and particle acceleration from the Sun to the Earth: observations, simulations and empirical models, 08:30–12:00, Room L1
	ST2.10/PS4.8 , Asymmetries in geospace and planetary environments (co-organized), 10:30–12:00, Room 1.61
FR3 , 13:30–15:00	ST1.3 , Theory and Simulation of Solar System Plasmas, 13:30–17:00, Room L1
FR4 , 15:30–17:00	ST1.3 , Theory and Simulation of Solar System Plasmas, 13:30–17:00, Room L1
	ST4.1 , New Scientific Space Weather Products and Forecasting Capabilities for Geomagnetic, Ionospheric, and Magnetospheric Conditions, 15:30–17:00, Room L6
	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

ST – Solar-Terrestrial Sciences (#EGU18ST) – 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

Tuesday, 10 April

TU3 , 13:30–15:00	PS5.1/GD1.3/GI2.22/NH6.12/ST1.10 , New mission concepts for planetary exploration (co-organized), PICO spot 4
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ST – Solar-Terrestrial Sciences (#EGU18ST) – Posters

Monday, 09 April

MO5 , 17:30–19:00	ST1.5/PS4.6 , Solar Eruptions and their Heliospheric imprint (co-organized), Hall X4, X4.189–X4.210
	ST2.1 , Open Session on the Magnetosphere (including Julius Bartels Medal Lecture), Hall X4, X4.211–X4.232
	ST2.7 , Wave-particle interactions in the Earth's magnetosphere and radiation belt dynamics, Hall X4, X4.233–X4.248
	ST3.5/EMRP4.33/G4.4 , Dynamics and interaction of processes in Earth and its space environment: perspectives from low-Earth orbiting satellites and beyond (co-organized), Hall X4, X4.249–X4.272
	PS2.1/ST1.8 , Small Objects and Dust: Dwarf Planets, Asteroids, Comets, Meteoroids (co-organized), Hall X4, X4.293–X4.330
	EMRP2.5/GD4.2/GI2.12/PS6.1/ST2.11 , Earth's and planetary magnetic fields: spatial and temporal characteristics (co-organized), Hall X2, X2.80–X2.102
	G5.1/ST3.9 , Observation-based modeling of the ionosphere - from Sun to Earth (co-organized), Hall X2, X2.461–X2.475
	EMRP2.2/ST3.10 , Earth Observation with Swarm: Results from Four Years in Orbit (co-organized), Hall X2, X2.50–X2.79
GI2.1/AS5.2/BG1.29/CL5.27/NH1.19/PS5.4/ST4.9 , Atmospheric and Meteorological Instrumentation (co-organized), Hall X1, X1.54–X1.74	

Tuesday, 10 April

TU5 , 17:30–19:00	ST1.1 , Open Session on the Sun and Heliosphere (including Hannes Alfvén Medal Lecture), Hall X4, X4.140–X4.160
	ST2.5 , Mass, Momentum, and Energy Transport through boundaries in the magnetosphere, Hall X4, X4.161–X4.172
	ST2.8 , Observations and simulations of multi-scale magnetospheric phenomena, Hall X4, X4.173–X4.195
	AS1.31/ST3.7 , Joint Session of the MLT and the VarSITI-ROSMIC program (co-organized), Hall X5, X5.61–X5.85

Wednesday, 11 April

WE5 , 17:30–19:00	ST1.2 , Preparing for Solar Orbiter, Parker Solar Probe and the heliophysics observatory (including ST Division Outstanding ECS Lecture), Hall X4, X4.82–X4.97
	ST3.1 , Open Session on the Ionosphere and Thermosphere, Hall X4, X4.98–X4.120
	ST3.6 , ULF waves and turbulence in the auroral oval and polar cap regions: New horizons in multi-instrument observations, Hall X4, X4.121–X4.132
	ST4.5/AS4.15/CL2.02 , Solar Total and Spectral Irradiance Recent Observations and Results, Links with Models and Possible Consequences for Climate (co-organized), Hall X4, X4.133–X4.146
	ST4.6 , Space Climate before, during and after the Grand Modern Maximum, Hall X4, X4.147–X4.160
	PS4.5/ST1.9 , Planetary, Solar and Heliospheric Radio Emissions (co-organized), Hall X4, X4.185–X4.197
	PS4.4/ST4.4 , Planetary Space Weather (including Arne Richter Award for Outstanding ECS Lecture) (co-organized), Hall X4, X4.161–X4.184

Thursday, 12 April

TH5, 17:30–19:00	ST1.4 , Turbulence and Heating in Space Plasmas, Hall X4, X4.73–X4.92
	ST2.3 , The role of the magnetosheath, cusps, foreshock, and transient solar wind phenomena in solar wind – magnetosphere coupling, Hall X4, X4.93–X4.114
	ST4.2 , Space Weather and its Effects on Terrestrial and Geo-Space Environments: Science and Application, Hall X4, X4.115–X4.131
	ST4.3 , The Use of Observations and Models to Improve Space Weather Forecasting Capabilities in the Heliosphere, Hall X4, X4.132–X4.145
	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

Friday, 13 April

FR5, 17:30–19:00	ST1.3 , Theory and Simulation of Solar System Plasmas, Hall X4, X4.88–X4.105
	ST1.6 , Energy conversion and particle acceleration from the Sun to the Earth: observations, simulations and empirical models, Hall X4, X4.106–X4.136
	ST2.10/PS4.8 , Asymmetries in geospace and planetary environments (co-organized), Hall X4, X4.137–X4.151
	ST3.2/2.12 , Magnetosphere-Ionosphere Coupling: New Phenomenological Insights from Data, Models and Theory, Hall X4, X4.152–X4.162
	ST4.1 , New Scientific Space Weather Products and Forecasting Capabilities for Geomagnetic, Ionospheric, and Magnetospheric Conditions, Hall X4, X4.163–X4.181
	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