

Monday

8:00 -10:00	Registration	
08:00	Esa Turunen	Northern Lights, are they just a beautiful light phenomenon or a space weather disturbance threatening the modern society?
09:00	Michael Taylor	Atmospheric phenomena (noctilucent clouds, gravity waves, sprites, meteors etc).
10:30	Opening - J. Laštovička - SCOSTEP, ICMA, D. Pancheva - IAGA, IUGG, O. Santolík - URSI, R. Huth - ÚFA, AVČR	
Morning Session - <i>Petra Koucká Knížová</i>		
11:00-11:30	Dora Pancheva	<i>Global Ionospheric response to atmospheric tides forced from below (SOL.)</i>
11:30-12:00	Scott England	<i>Modeling ionospheric electrodynamic effects of tides (SOL.)</i>
12:00-12:30	Cheryl Huang	<i>Tidal structures in the equatorial ionosphere (SOL.)</i>
LUNCH		
Afternoon Session I - <i>Jan Laštovička</i>		
14:00-14:30	Erich Becker	<i>Some examples for modulations of the wave driving in the summer MLT (SOL.)</i>
14:30-15:00	Qian Wu	<i>Modeling and Observation of Mesospheric Tide Effect on the Thermosphere (SOL.)</i>
15:00-15:20	Peter Hoffmann	Changes of the tidal activity in the MLT region during and after sudden stratospheric warming (SSW) events
BREAK		
Afternoon Session II - <i>Nicholas Mitchel</i>		
16:00-16:30	Christina Arras	<i>Characteristics of sporadic E layers derived from global GPS radio occultation measurements (SOL.)</i>
16:30-16:50	Weixing Wan	Ionospheric responses to the non-migrating tide DE3: a numerical simulation
16:50-17:10	Zhipeng Ren	Simulated longitudinal variations in the lower thermospheric nitric oxide induced by non-migrating tides
17:10-17:30	Kathrin Haeusler	The tropospheric influence on the equatorial electrojet and the upper thermospheric zonal wind as observed by CHAMP
17:30-17:50	Petra Koucka Knizova	Oscillation in the neutral stratosphere and its possible signatures in the E region plasma
19:00	Welcome party	

Tuesday

Morning Session I - Dora Pancheva

8:30-9:00	Erdal Yigit	<i>Coupling of the Lower Atmosphere to the Upper Atmosphere via Small-Scale Gravity Waves (SOL.)</i>
9:00-9:20	George Aburjania	Generation, intensification and self-organization of internal-gravity wave structures in the Earth's ionosphere with directional wind shear
9:20-9:40	Jaroslav Chum	On the seasonal variation of horizontal propagation of Gravity Waves in the ionosphere
9:40-10:00	Igo Paulino	Study on vertical propagation of the medium-scale gravity waves observed during the second SpreadFEx campaign

BREAK

Morning Session II - Erdal Yigit

10:30-11:00	Michael Taylor	<i>Gravity wave activity in the MLT region and possible propagation into the ionosphere (SOL.)</i>
11:00-11:20	Mykhaylo Grygalashvyly	Wave-mixing effects on minor chemical constituents in the MLT-region
11:20-11:40	Rahel Knopf	A new continuous radiative transfer scheme to study coupling processes from the surface up to the mesopause region
11:40-12:00	Anna Kanukhina	Influence of the QBO, NAM and ENSO on planetary wave-driven interannual variability of the spring transition
12:00-12:20	Elena Savenkova	Nonlinear interaction and saturation of planetary waves in the stratosphere.

LUNCH

Afternoon Session I - Christina Arras

14:00-14:30	Nicholas Mitchell	<i>Zonal wavenumbers of the summertime 2-day planetary wave observed in the mesosphere by Aura MLS (SOL.)</i>
14:30-14:50	Kerry Day	Aura MLS observations of the westward-propagating $s=1$, 16-day planetary wave in the middle atmosphere: climatology and cross-equatorial propagation
14:50-15:10	Irina Zakharenkova	Ionospheric electron content over European mid-latitudes and its comparison with GPS TEC measurements

BREAK

Afternoon Session I - Tereza Šindelářová

15:50-16:20	Daniel Kouba	<i>Recent advances in the digisonde drift measurement (SOL.)</i>
16:20-16:40	Esa Turunen	Variations in the High-Latitude D-region Ionosphere as Seen by the EISCAT Svalbard Radar during the Continuous 1-year IPY Experiment
16:40-17:00	Esa Turunen	EISCAT_3D: A European Imaging Radar for Atmospheric and Geospace Research
17:00-17:20	Antti Kero	Seeking meteor smoke signatures in the incoherent scattering

Poster Session

Wednesday

8:00-8:20	Larisa Sidorova	Topside ionosphere plasma bubbles: survival possibilities, s/I and solar activity dependence
8:20-8:40	Iurii Cherniak	The analysis of ionospheric modifications during May 2010 geomagnetic storms by radiophysical measurements data
8:40-9:00	Natalia Kilifarska	Longitudinal Sensitivity of the Ozone Response to Energetic Particle Precipitation

Field trip

Poster session

Thursday

Morning Session I - TG4 - *Satonori Nozawa*

8:30-8:50	Kazuo Shiokawa	CAWSES-II Task Group 4: What is the geospace response to variable inputs from the lower atmosphere?
8:50-9:20	William Ward	<i>Tidal influences in the MLT region (SOL.)</i>
9:20-9:50	Hisao Takahashi	Planetary 2-day waves in the MLT and ionosphere in the Southern Hemisphere low latitudes (SOL.)
9:50-10:20	Yasunobu Miyoshi	<i>Effects of the atmospheric waves on variations in the upper atmosphere using an atmosphere-ionosphere coupled model (SOL.)</i>

BREAK

Morning Session II – *Kazuo Shiokawa*

10:50-11:20	Dave Fritts	<i>Quasi-linear and nonlinear dynamics of gravity waves in the thermosphere and potential plasma responses (SOL.)</i>
11:20-11:50	Satonori Nozawa	<i>High latitude lower thermospheric wind dynamics using EISCAT and MF radars and a new sodium LIDAR (SOL.)</i>
11:50-12:20	Yukihiro Takahashi	<i>Effects of lightning activity on atmosphere, ionosphere and magnetosphere (SOL.)</i>

LUNCH

Afternoon Session I - **Scott England**

14:00-14:30	Michael Rycroft	<i>A.C./D.C. global circuit phenomena in relation to atmosphere-space coupling (SOL.)</i>
14:30-14:50	Vladimir Klimenko	Research of the Role of Disturbed Ionospheric Dynamo Electric Field in Behavior of Mid- and Low-Latitude Ionosphere Parameters during Geomagnetic Storm
14:50-15:20	Michael Taylor	<i>Spectral and spatial signatures of upper atmospheric lightning phenomena using imaging instrumentation (SOL.)</i>

BREAK

Afternoon Session II - *Katya Georgieva*

15:50-16:20	Mark Clilverd	<i>Geomagnetic Activity and Polar Surface Air Temperature Variability - A Tropospheric Interconnection with the Middle and Upper Atmosphere (SOL.)</i>
16:20-16:40	Maxim Klimenko	Behavior of External Ionosphere Parameters during Geomagnetic Storm Sequence on September 9-14, 2005
16:40-17:00	Maxim Klimenko	The Formation Mechanism of the F3-Layer and its Behavior during Geomagnetic Storms

Poster Session

Friday

Morning Session - Mark Clilverd		
8:00-8:20	Katya Georgieva	Solar influences on atmospheric circulation
8:20-8:40	Libo Liu	The unusual ionosphere during prolonged extremely solar minimum
8:40-9:00	Hua Lu	Signals of Solar Wind Dynamic Pressure in the Northern Annular Mode and the Equatorial Stratospheric Quasi-biennial Oscillation
9:00-9:20	Takashi Maruyama	Total electron content variations after removing solar and seasonal influences
9:40-10:00	Jan Lastovicka	Impact of long-term global change on vertical coupling in the atmosphere-ionosphere system

BREAK

10:30	Closing workshop
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Poster Session - Tuesday and Thursday

Fedor Bessarab	Modeling of the effect of sudden stratospheric warming on the thermosphere-ionosphere system
Josef Boska	Vertical characteristics of midlatitude ionospheric drifts
Claudia Candido	Southern anomaly crest Spread-F in June Solstice during the Solar Cycle 23
Khatuna Chargazia	The interaction of planetary Rossby wave structures with inhomogeneous geomagnetic field and sheared wind in the upper atmosphere
Fabio Egito	A survey of planetary wave type oscillations in the MLT by airglow and winds measurements over middle latitude regions
Jiri Fiser	An investigation of whistler intensities above thunderstorms
Daisuke Fukushima	Study of equatorial medium-scale travelling ionospheric disturbances in 630-nm airglow images
Praveen Galav	The Equatorial and Low Latitude ionospheric response to the Space Weather Disturbed Week of November 2004 - A Case Study
Oleg Goncharov	Interplanetary shocks and their impact on the Earth
Peter Hoffmann	Vertical coupling processes due to winds and waves over an extended altitude range (ISSI team)
Ivan Karpov	Planetary wave disturbances in the midlatitude ionosphere during geomagnetic storms
Esfhan Alam Kherani	The effects of the acoustic-gravity waves in the generation and suppression of plasma bubbles in the equator-low-latitude ionosphere
Petra Koucka Knizova	Scale-dependent analysis of ionospheric parameters
Andrey Koval	Integration of the orographic gravity waves parameterization in the atmospheric general circulation model.
Yurij Kyzurov	Small-scale irregularities in electron density of the lower ionosphere
Catrin Lehmann	Perspectives of gravity wave measurements by future ESA satellite mission PREMIER
Zbysek Mosna	Utilization of automatic visualization of virtual heights of ionospheric layers for the digisonde DPS-4
Michi Nishioka	TEC variations associated with the 2010 Chile Earthquake studied with ground-based GPS network data
Amelia Onohara	Effects of the 3-4 day ultra-fast Kelvin wave on the Brazilian equatorial ionosphere: Modelling and observations results
Shin-ichiro Oyama	Characteristics of the mesospheric gravity wave observed with an all-sky camera at Tromsø, Norway in 2009-2010
Ana Roberta Paulino	An investigation of the 2006 Sudden Stratospheric Warming effects in the atmospheric lunar tide observed in Brazil
David Piša	Lightning-related HF signatures measured by the DEMETER satellite during local night
Anatoly Semenov	Orographic Disturbances in the Upper Atmosphere
Irk Shagimuratov	Structure of large-scale TIDs observed during 11 October 2008 storm
Shweta Sharma	Study of low latitude ionosphere to the geomagnetic storm of May 2005 over different longitudes
Dadaso Shetti	Signature of midnight temperature maximum (MTM) using TEC (GPS) and OI630 nm Night Airglow
Tereza Sindelarova	Ionospheric response to meteorological processes in different regions. A comparison of observations in Central Europe and in South Africa
Takuo Tsuda	Neutral temperature variations observed with a new sodium lidar at Tromsø, Norway
Jaroslav Urbar	Multipoint study of a large bow shock and magnetopause deformation without a clear upstream initiation
Alexey Vlasov	Impact of solar activity on propagation of atmospheric gravity waves through the middle atmosphere