Third MS-GWaves Workshop 10-12 January 2017 in Hofgeismar

Tuesday 10 January

Session 1  Chair: Kathrin Baumgarten
09:00-09:15 Introduction (Ulrich Achatz)
09:15-09:40 Sonja Gisinger (GW-TP / ROMIC GW-LCycle): Atmospheric conditions during DEEPWAVE-NZ flow regimes - tropopause region - middle atmosphere
09:40-10:05 Peter Preusse/Cornelia Strube (SV/GW-LCYCLE – GLORIA): Resolved gravity waves in the ECMWF model: propagation and interpretation by ray-tracing
10:05-10:30 Irina Strelnikova (PACOG / ROMIC GW-LCycle): Upward and downward propagating gravity waves as observed by Doppler wind and temperature lidar

10:30-11:00 Break

Session 2  Chair: Jens Söder
11:00-11:25 Kathrin Baumgarten (PACOG): Seasonal variation of gravity waves above Kühlungsborn and campaign results from LITOS above Scandinavia
11:25-11:50 Gunter Stober (PACOG): Seasonal variations of mean winds and gravity waves due to SSW and recent developments to access spatially resolved wind fields
11:50-12:15 Benedikt Ehard (PACOG): Comparing the ECMWF IFS to middle atmospheric lidar temperature measurements

12:15-13:00 Lunch
13:00-13:30 PI Meeting
13:30-14:30 Walk
14:30-14:45 Coffee

Session 3  Chair: Steffen Hien
14:45-15:10 Sebastian Borchert (GWING): UA-ICON - State of development: Dynamics
15:35-16:00 Christopher Pütz (GW-TP): Transmission of gravity waves through non-uniform stratification
16:00-16:25 Vera Bense (GW-TP): Derivation of gravity wave transmission coefficients at the tropopause from numerical simulation

16:25-17:00 Break
17:00-18:00 Project meetings
18:00-19:00 Dinner
Wednesday January 11

Session 4  Chair: Isabell Krisch
09:00-09:25  Steffen Hien (SI): Spontaneous generation of IGWs in the rotating annulus experiment
09:25-09:50  Joran Rolland (SI): Testing of 3D troposphere-stratosphere numerical model systems
09:50-10:20  Lena Schoon (SI): Local diagnosis of gravity wave propagation
Christoph Zülicke (SI): Parameterization of jet-generated gravity waves

10:20-10:55  Break

Session 5  Chair: Vera Bense
11:20-11:45  Ulrich Achatz (for Olga Kaiser) (SI): Data-Driven Sub-Grid-Scale Parametrization
11:45-12:10  Andreas Dörnbrack: Gravity Waves excited during a Minor Sudden Stratospheric Warming

12:10-13:00  Lunch
13:00-14:00  Walk
14:00-14:30  Coffee

Session 6  Chair: Costanza Rodda
14:30-14:55  Gergely Bölöni (3DMSD) Towards the application of the WKB raytracer as a GW parametrization in ICON
14:55-15:20  Junhong Wei (3DMSD) Phase-Space WKB Modelling of Gravity Waves in Rotating Atmosphere
15:20-15:45  Mark Schlutow (3DMSD) Pseudo-incompressible, finite-amplitude gravity waves: wave trains, stability, and numerical validation
15:45-16:00  Discussion
16:00-16:30  Break

Research-Area Meetings
16:30-18:00  in parallel:
   Meeting P (chair Uwe Harlander)
   Meeting D&I (chair Peter Preusse)
18:00-19:00  Dinner
Thursday Jan 12

General Discussions  Chair: Ulrich Achatz
s&d 30min+30min each

09:00-10:00  Summary & discussion Research Area P
10:00-10:30  Break
10:00-11:00  Summary & discussion Research Area D&I
11:00-12:00  General discussion
12:00-13:00  Lunch
13:00  End of Workshop