Virtual MS-GWaves Meeting 23-25 November 2020

Agenda

Time zone of Boulder (am); 8 hours delay

Monday 23 November

9:30	-	11:00	ECS Career discussion with Anne Smith and Inna Politchouk

Tuesday 24 November

Session 1: Introduction/3DMSD/GW-ICE

2:45	-	3:00	Introduction
3:00	-	3:25	*Mark Schlutow (3DMSD)*: The gas centrifuge - An opportunity to study atmospheric gravity waves in the laboratory
3:25	-	3:50	*Georg Sebastian Völker (3DMSD)*: Triadic Wave-Wave Interactions in the Vicinity of Strong Shear Flows
3:50	-	4:15	*Peter Spichtinger(GW-ICE)*: Gravity-waves impact on ice clouds in the tropopause region
4:15	-	6:00	**Lunch**

Session 2: GWING

6:00	-	6:25	*Andrea Schneidereit (GWING)*: Does resolution matter? Signatures of gravity waves with changing vertical resolution.
6:25	-	6:55	*Gergely Bölöni (GWING)*: Latest developments of MS-GWaM in ICON
6:55	-	7:15	**Break**

Session 3: SV

7:15	-	7:40	*Young-Ha Kim (ROMIC-QBICC)*: Coupling of gravity wave drag to the equatorial Kelvin wave simulated by ICON/MS-GWaM
7:40	-	8:05	*Markus Geldenhuys (SV)*:Orographically Induced Spontaneous Imbalances within the Jet causing a Large Scale Gravity Wave Event
8:05	-	8:35	**Break**
8:35	-	9:00	*Lukas Krasauskas (SV)*: Double Hexagon Flight during SOUTHTRAC
9:00	-	9:25	*Sebastian Rhode (ROMIC-WASCLIM)*: Orographic GW Distributions via Ridge Parameterization
9:25	-	9:50	*Fanni Dora Kelemen (SV)*: Topography representation in Pinc Floit
9:50	-	10:20	**Break**

Session 4: Invited Presentations

10:20	-	11:05	*Anne Smith(invited*): What is the contribution of gravity waves to driving zonal winds in the tropical upper stratosphere?
11:05	-	11:50	*Christopher Kruse (invited)*: Constraining Middle-Atmosphere Mountain Wave Momentum Flux and Drag with Satellite Observations, a mini-MIP, and an OSSE

Time frame: **25 min presentation: 17 min presentation +8 min discussion**
45 min presentation: 35 min presentation + 10 min discussion

Wednesday 25 November

Session 5: SI

3:00	-	3:25	*Costanza Rodda (SI):* Gravity wave turbulence in laboratory experiments
3:25	-	3:50	*Fabienne Schmid (SI):* Efficient modeling of baroclinic life cycles with a semi-implicit pseudo-incompressible model for the study of spontaneous inertia-gravity wave emission
3:50	-	4:15	*Christoph Zülicke (SI):* Lagrangian perspective on jet-generated gravity waves
4:15	-	6:00	**Lunch**

Session 6: PACOG

6:00	-	6:25	*Robert Reichert (PACOG):* Wave climatology from long-term CORAL measurements at Rio Grande, Argentina
6:25	-	6:50	*Sonja Gisinger (PACOG):* Comparison of in-situ flight level data with outputs of various high-resolution NWP models
6:50	-	7:10	**Break**

Session 7: PACOG/SOUTHTRAC

7:10	-	7:35	*Bernd Kaifler (PACOG)*: Airborne gravity wave measurements and analysis using ALIMA during ST08 of SouthTRAC-GW
7:35	-	8:00	*Aman Gupta (LMU München)*: Monthly Climatologies of Gravity Wave Momentum Fluxes in ERA5
8:00	-	8:25	*Jens Söder (PACOG):* Gravity wave attenuation: From turbulence measurements to a case study
8:25	-	8:55	**Break**

Session 8: PACOG/Invited/Discussion

8:55	-	9:20	*Irina Strelnikova and Harikrishnan Charuvil Asokan (PACOG*): Lidar and radar observations in comparison with UA-ICON general circulation model
9:20	-	10:05	*Inna Politchouk (invited)*: Representation and generation of resolved gravity waves in high-resolution global atmospheric models
10:05	-	12:00	*Discussion time*

Time frame: **25 min presentation: 17 min presentation +8 min discussion**
45 min presentation: 35 min presentation + 10 min discussion