A VIRTUAL MEETING of the Special Interest Group on ‘Multi-scale Processes in Geophysical Fluid Dynamics’ will be held across two days—afternoon and morning:

Thursday 17 September 2020, pm

2.00pm Welcome
2.05 Stefano Maffei (Leeds), On the inverse cascade and flow speed scaling behaviour in rapidly rotating Rayleigh-Bénard convection
2.30 Jim Thomas (North Carolina), Geophysical turbulence at oceanic mesoscales
3.00 Break

Special session on polar vortices

3.15 Tim Woollings (Oxford), The role of Rossby waves in polar weather and climate
3.35 Richard Scott (St Andrews), Forcing of the Martian polar annulus by Hadley cell transport and latent heating
4.00 Break
4.15 Fachreddin Tabataba-Vakili (JPL, Caltech), Evolution of the Jovian circumpolar cyclones
4.40 Shawn Brueshaber (Western Michigan), Giant planet polar vortices
5.05–5.30pm Cheng Li (UC Berkeley), The stability of Jovian polar vortices

Friday 18 September 2020, am

10.00am David Hughes (Leeds), The existence and stability of large-scale vortices in rotating convection
10.20 Yury Stepanyants (Southern Queensland), Emergence of envelope solitary waves from initial localized pulses within the Ostrovsky equation
10.40 Hossein Amini Kafiabad (Edinburgh), Interaction of near-inertial waves with an anticyclone
11.00 Break
11.15 Simon Cabanes (Rome ‘La Sapienza’) A new laboratory device to explore planetary atmospheres at polar latitudes
11.40 Paul Burns (Exeter), Nonlinear resonance in the persistence of layers in stably-stratified fluids
12.05pm Craig Duguid (Leeds), Tides and convection: The relationship between the sub-inertial frequency spectrum and turbulent viscosity
12.25 Break
12.40 Mike Bell (Met Office), Wind-driven oscillations in Meridional Overturning Circulations near the Equator
1.00–1.20pm Adrian Barker (Leeds), Angular momentum transport and jet formation in differentially-rotating stellar radiation zones

Zoom details (for both days): Meeting ID 936 1987 0953, Passcode 620240
https://zoom.us/j/93619870953?pwd=aU5ZaW5iNG9oUmtaUGFyOWduMGdIUT09
All are welcome. Please feel free to forward this to anyone who may be interested.
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