

First announcement:

LPMR workshop in Kühlungsborn, Germany
18-22 September 2017

This is the first announcement of the well established annual „LPMR workshop“ which takes place on 18-22 September 2017 in Kühlungsborn, the largest sea resort town in Germany. LPMR stands for „Layered Phenomena in the Mesopause Region“.

The most important topics of this workshop are:

1. Mesospheric phenomena and related sciences, including noctilucent clouds (NLCs), polar mesospheric clouds (PMCs), and polar mesospheric summer echoes (PMSEs). Measurements of these ice layers and related parameters by modern technologies such as lidars, radars, imagers, interferometers, spectrometers, rocket-borne sensors and satellite-borne instruments, e. g. on AIM.
2. Cloud microphysics and related laboratory studies and theoretical investigations.
3. Long term trends and solar cycle induced variations of layered phenomena and the role of these ice layers for studying climate change in the middle atmosphere.
4. Neutral and ionized metal layers of meteoric origin and related parameters such as cosmic dust, meteors, meteoroids, meteorites, ablation physics etc.
5. The physics and application of airglow to study the thermal and dynamical structure in the mesopause region.
6. Using layered phenomena in the mesopause region as tracers to study gravity waves and turbulence.
7. Related atmospheric phenomena such as ionospheric layers, dynamic coupling between atmospheric layers, etc.

The workshop is co-sponsored by the ROSMIC program of VarSITI (SCOSTEP).

Some preliminary information is available at the following website:

<https://www.iap-kborn.de/1/current-issues/events/lpmr/>

Please sign in under „expression of interest“.

We plan to issue the 2nd announcement in March 2017 with more information.

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