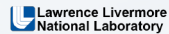


# 3<sup>rd</sup> PAN-GASS MEETING

## *Understanding and Modeling Atmospheric Processes (UMAP 2022)*

25-29 July 2022, Hyatt Regency Monterey (CA), USA

### ABOUT



Hosted by the [Lawrence Livermore National Laboratory](https://www.llnl.gov), UMAP 2022 aims to bring together weather and climate scientists, including both observationalists and modelers, to discuss the key issues of atmospheric science.

The purpose of the conference is to discuss progress in research supporting atmospheric and related model development, coordinate current GASS initiatives, and plan future projects.

### Information and Registration

For detailed information and to register and submit your abstract, please visit the UMAP 2022 website at <https://bit.ly/3DOBgTe>.

### Call for Abstracts

UMAP 2022 is articulated around four main themes, outlined below. For each of these themes, we are calling for studies relying on process-oriented diagnostics, modeling, and new observational data, applied to enhance our understanding and modeling capabilities of atmospheric processes and their coupling with the surface. The four main themes are:

- Organization of shallow and deep convection
- Surface-atmosphere interactions and the boundary layer
- Cloud systems and associated processes (microphysics, physics, dynamics, radiation):
- Towards global km-scale modeling and Digital Twins of the Earth System

Proposals for potential new community projects are particularly welcomed, including proposing a topic and possible approaches OR proposing specific activities in greater detail.

### Competition for Early Career Researchers

#### DYAMOND



In collaboration with the center of Excellence in Simulation of Weather and Climate in Europe (ESIWACE), the GEWEX GASS panel has organized a data analysis contest to encourage the use of the data set of the DYNAMICS of the Atmospheric general circulation Modeled On Non-hydrostatic Domains (DYAMOND).

#### DOE-ARM



In collaboration with the Atmospheric Radiation Measurement (ARM) program of the U.S. Department of Energy (DOE), the GEWEX GASS panel has organized a competition for ECRs whose studies have used or will use ARM data.

#### GEWEX-WCRP



In collaboration with the World Climate Research Programme (WCRP), the GEWEX GASS panel has organized a contest where participants will be judged on technical content, technical knowledge of the topic, as well as the oral or poster presentation delivery during the conference.