

Latest Highlights

New Publications

“Data Scientist (n.): Person who is better at statistics than any software engineer and better at software engineering than any statistician.”

- John Wills, Former Head of Data Engineering at Slack

- S. Agarwal, N. Tosi, P. Kessel, D. Breuer, and G. Montavon (2021). **Deep learning for surrogate modeling of two-dimensional mantle convection**. *Physical Review Fluids*, 6, 113801. <https://doi.org/10.1103/PhysRevFluids.6.113801>
 - L. Jaurigue, E. Robertson, J. Wolters, and K. Lüdge (2021). **Reservoir Computing with Delayed Input for Fast and Easy Optimisation**. *Entropy*, 23, 1560. <https://doi.org/10.3390/e23121560> [Preprint]
- P. Graniero is contributing author in the technical report: **The Use of Advanced Algorithms in PV Failure Monitoring**, IEA PVPS Task 13 - Performance, Operation and Reliability of Photovoltaic Systems, <https://iea-pvps.org/key-topics/the-use-of-advanced-algorithms-in-pv-failure-monitoring/>

Conferences

- S. Agarwal, N. Tosi, P. Kessel, D. Breuer, and G. Montavon. **Deep learning for surrogate modelling of 2D mantle convection**. (Oral presentation), *German-Swiss Geodynamics Workshop 2021*, Bad Belzig, Aug 29 - Sep 1, 2021.
 - S. Agarwal, N. Tosi, P. Kessel, D. Breuer, and G. Montavon. **Deep learning for surrogate modelling of 2D mantle convection**. (Oral presentation), *European Planetary Science Congress 2021*, Online, Sep 13-24, 2021. <https://doi.org/10.5194/epsc2021-218>
 - S. Agarwal, N. Tosi, P. Kessel, D. Breuer, and G. Montavon. **Deep learning for surrogate modelling of 2D mantle convection**. (Oral presentation), *the 74th Annual Meeting of the Division of Fluid Dynamics*, Online, Nov 21-23, 2021.
 - P. Graniero. **Data Driven Mitigation Measures in Advanced PV Plant Monitoring**. (Oral presentation), *Intersolar Conference*, Munich, October 6-7, 2021.
- Anko Boerner (DLR) and Guillermo Gallego (ECDF) organized the **2nd Workshop on "Sensor AI"**. Online, November 24, 2021.

Announcements / Upcoming Events

Save the dates:

- HEIBRiDS Spring School, March 28-31
- HEIBRiDS Online PhD Interview Week, April 4-6

HIDA Course Catalog

HIDA has made available an updated [Course Catalog](#), which you can easily browse to search for courses offered at any of the 19 Helmholtz Centers. If you are member of the Helmholtz Association or a partner institution, you could also add a training offer or other event in the field of information & data science to the HIDA Course Catalog by clicking on [+ADD EVENT](#) on the top right.

Helmholtz Transferable Skills Courses

The next dates for the Helmholtz Transferable Skills Courses have been announced:

Course I:

Research Skill Development Course (1st year students), online, **January 18-20, 2022.**

Course II:

Skills in Research Course (2nd year students), online, **February 8-10, 2022.**

Contact [Eirini](#) for registration.

HEIBRiDS PhD Recruitment

A new call with 8 HEIBRiDS PhD positions will open in the beginning of January. Feel free to spread the word in your networks and to bring 8 more talented researchers to the HEIBRiDS community.