



ÉCOLE DE  
**PHYSIQUE DES HOUCHES**



## International Doctoral Training Session *Frontiers of Condensed Matter* October 10-21, 2022 Ecole de Physique des Houches, France

This Les Houches international doctoral training session aims at offering Master and junior PhD students a high-level training program in the general area of Condensed Matter Physics. The session will consist of lecture series on the following topics:

- **Quantum transport** – Carlo Beenakker (Leiden, NL)
- **Superconductivity** – Joerg Schmalian (Karlsruhe, DE)
- **Topological phases** – Adolfo Grushin (Grenoble, FR)
- **Quantum information** – Roman Orus (San Sebastian, ES)
- **Circuit QED** – Zaki Leghtas (Paris, FR)
- **2D materials** – Dmitri Efetov (Munich, DE),

complemented by more specialized pedagogical seminars on timely topics, poster sessions, and discussion forums.

### More Information and Registration

[https://www.adum.fr/as/ed/page.pl?site=phys&page=les\\_houches](https://www.adum.fr/as/ed/page.pl?site=phys&page=les_houches)

Please **apply before June 15, 2022.**

Contact: [frontiers2022leshouches@gmail.com](mailto:frontiers2022leshouches@gmail.com)

### Organizers

S. Bergeret (San Sebastian, ES), J. Meyer (Grenoble, FR), J. Schmalian (Karlsruhe, DE), C. Schönenberger (Basel, CH), G. Steele (Delft, NL)

*The session is organized jointly by the Physics Graduate School of Grenoble (France), the Casimir Research School of Delft-Leiden (Netherlands), the Donostia International Physics Center in San Sebastian (Spain), the Graduate School of Quantum Matter at the Karlsruhe Institute of Technology (Germany), and the Swiss Nanoscience Institute in Basel (Switzerland).*



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