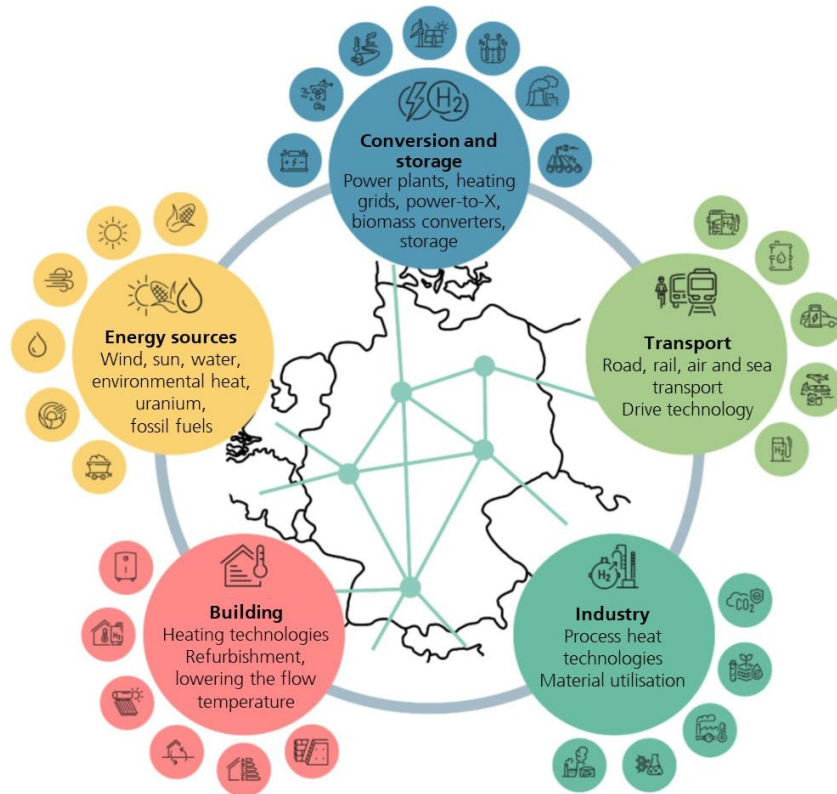


PHYSIKALISCHES KOLLOQUIUM

AM 27. JANUAR 2025 UM 17 UHR C.T.
IM GROßEN HÖRSAAL



THE FUTURE ENERGY SYSTEM - SYSTEM ARCHITECTURE AND KEY TECHNOLOGIES HANS-MARTIN HENNING *ISE FREIBURG*

In order to enable a rapid reduction in greenhouse gas emissions caused by the energy system, renewable energies and a high level of electrification of all end-use sectors are crucial key elements. However, this requires a new paradigm, namely flexibilization, with significant implications for system design and operation. In six key statements, the presentation highlights the central building blocks of the necessary transition, provides examples of development perspectives of the most important technologies – from solar, wind and geo-thermal over transport and storage systems to end-use technologies – and gives a short outlook on the challenge of resource issues.

AKTUELLE INFORMATIONEN FINDEN SIE HIER: WWW.PHYSIK.UNI-FREIBURG.DE