universität innsbruck

Innsbruck Physics Colloquium

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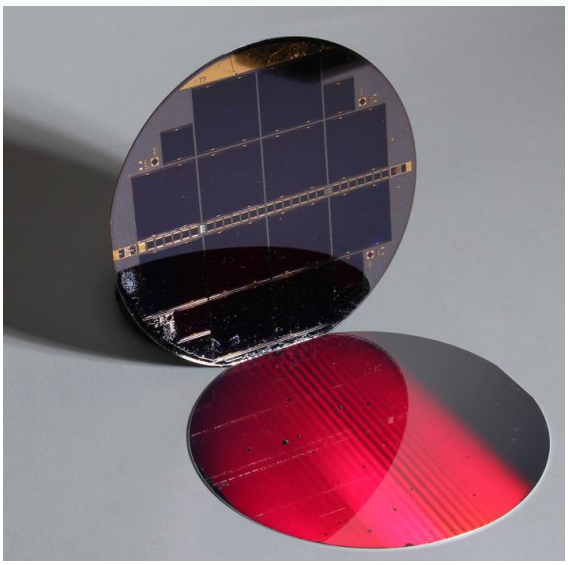
Transition of the Energy System and the Impact of Photovoltaics

Climate change is one of the most challenging tasks facing mankind. In order to reduce harmful CO_2 and other greenhouse gases, the energy supply must be converted from today's fossil-based energy sources to a renewable energy supply. The presentation will use the results of energy system modeling to show how the transformation can be successful. It will become clear which technologies are required and that a reliable energy supply based on renewable energies is possible.

Photovoltaics is a key technology for the global energy transition. The article shows which key developments in the past have led to the fact that electricity can now be provided cost-effectively from solar systems. The current state of research is also presented.



Tuesday, 23.01.2024, at 16:45 h, HS C (Technik)

Innsbruck Physics Colloquium,
Organisation: K. Erath-Dulitz, H.-C. Nägerl, T. Schrabback