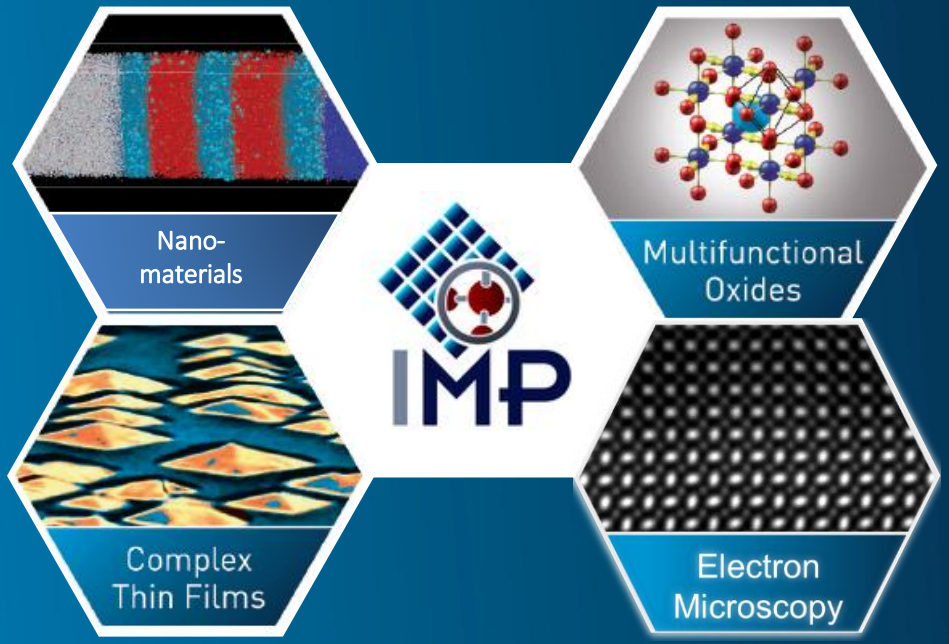
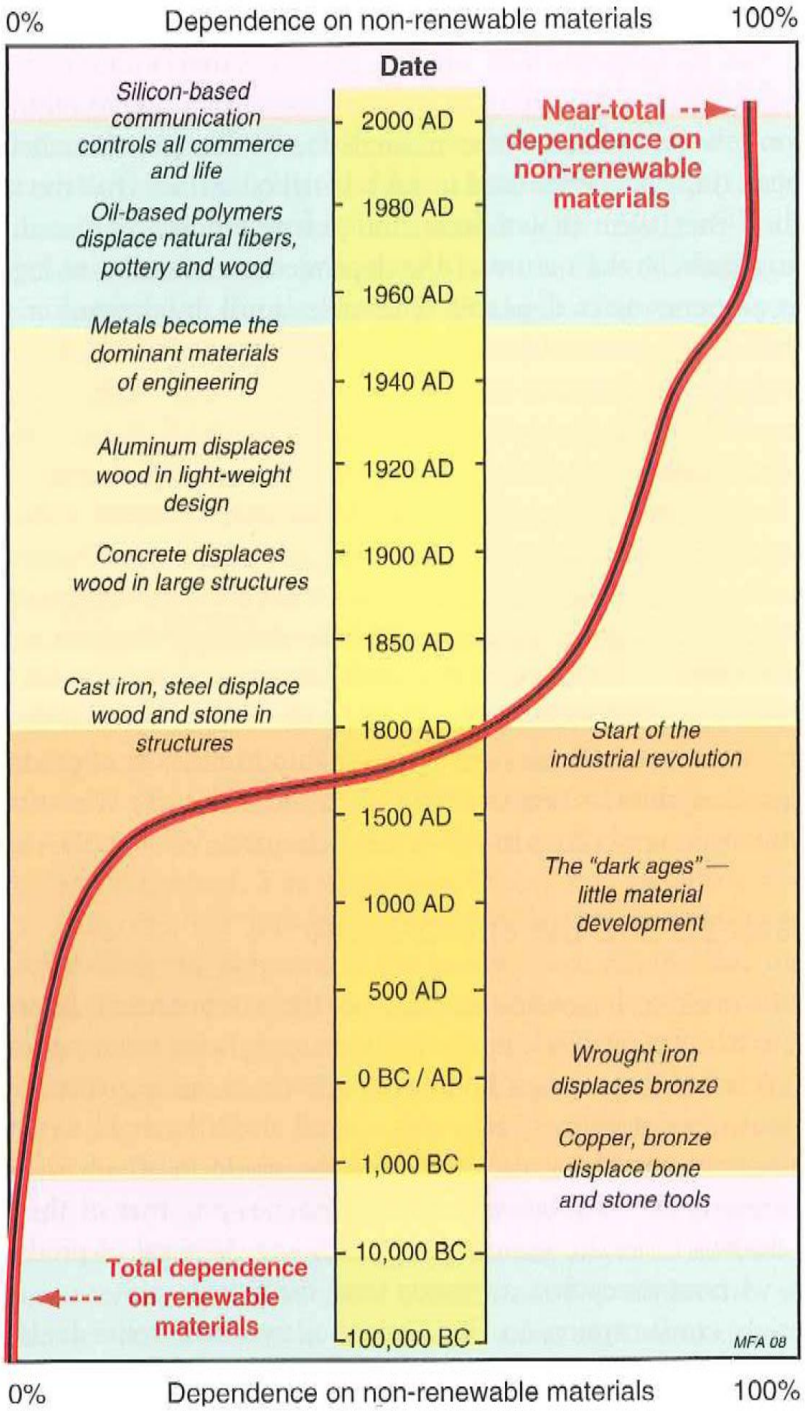
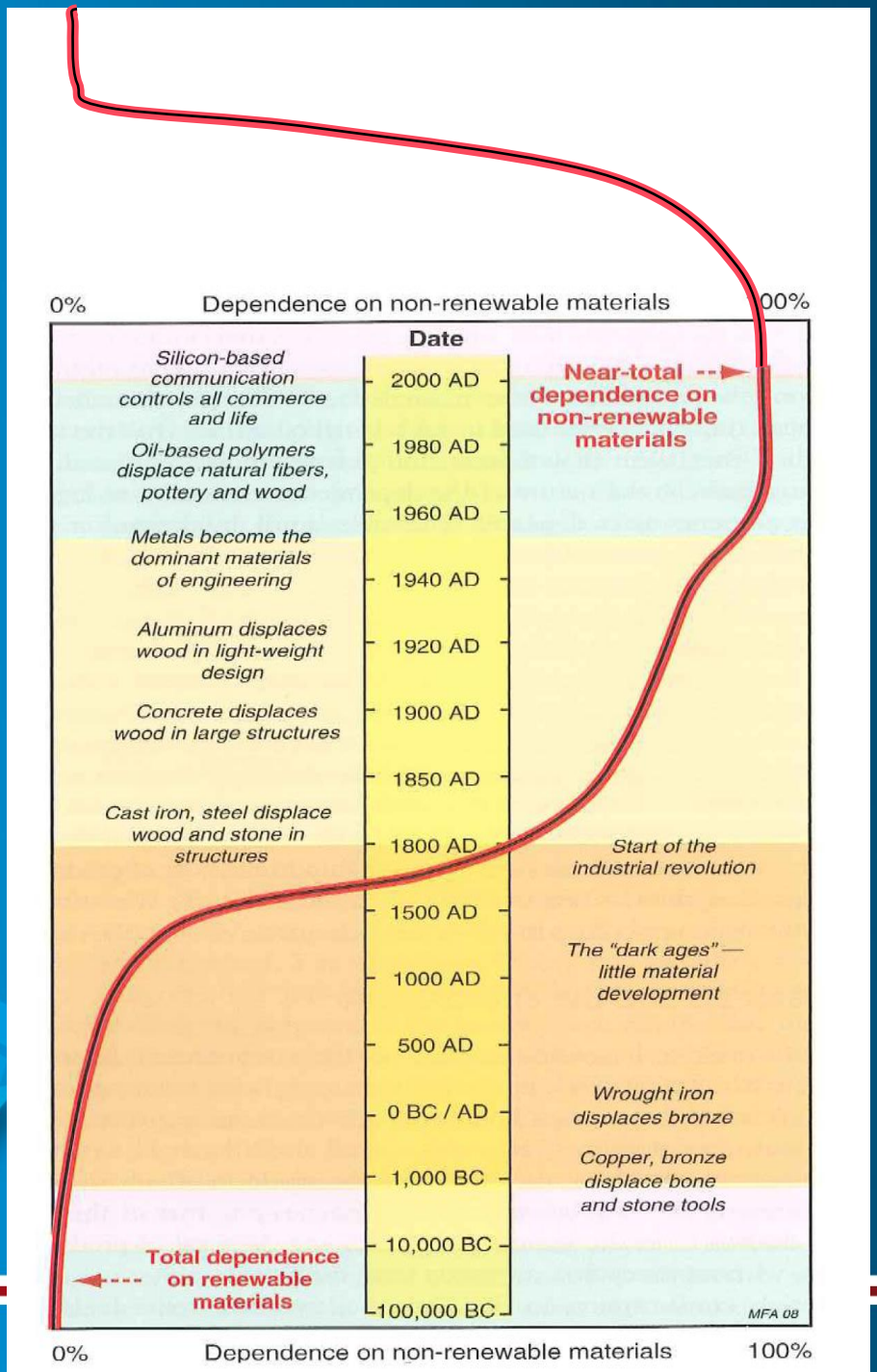
Materialphysik



Materials Ages



Materials Ages



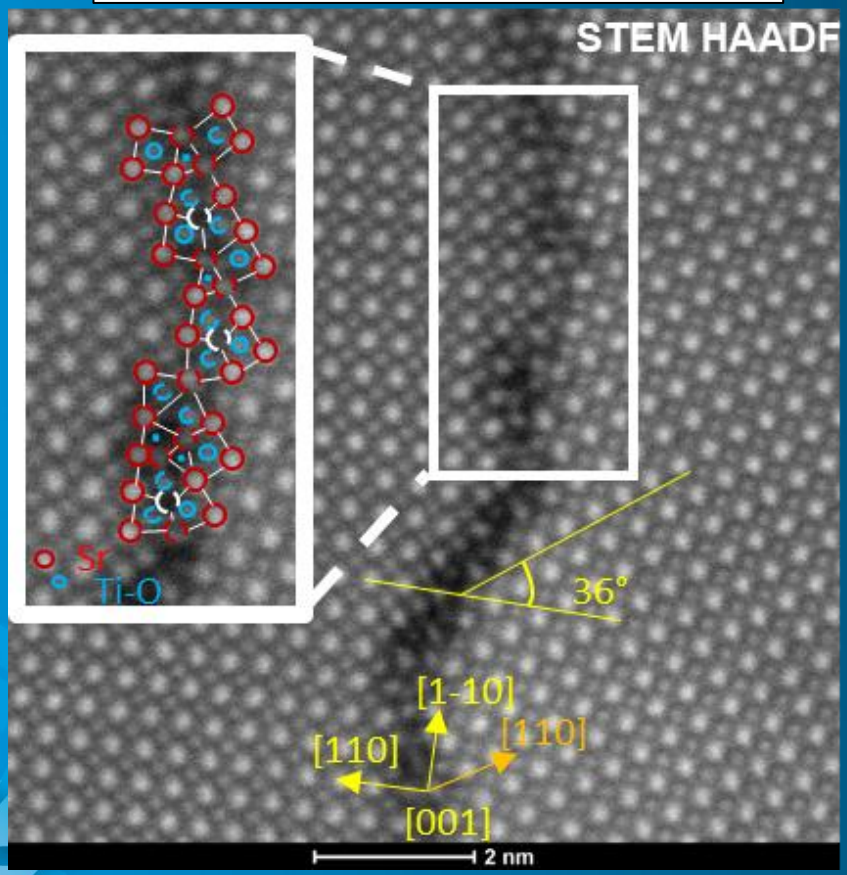
How to get back to sustainability?

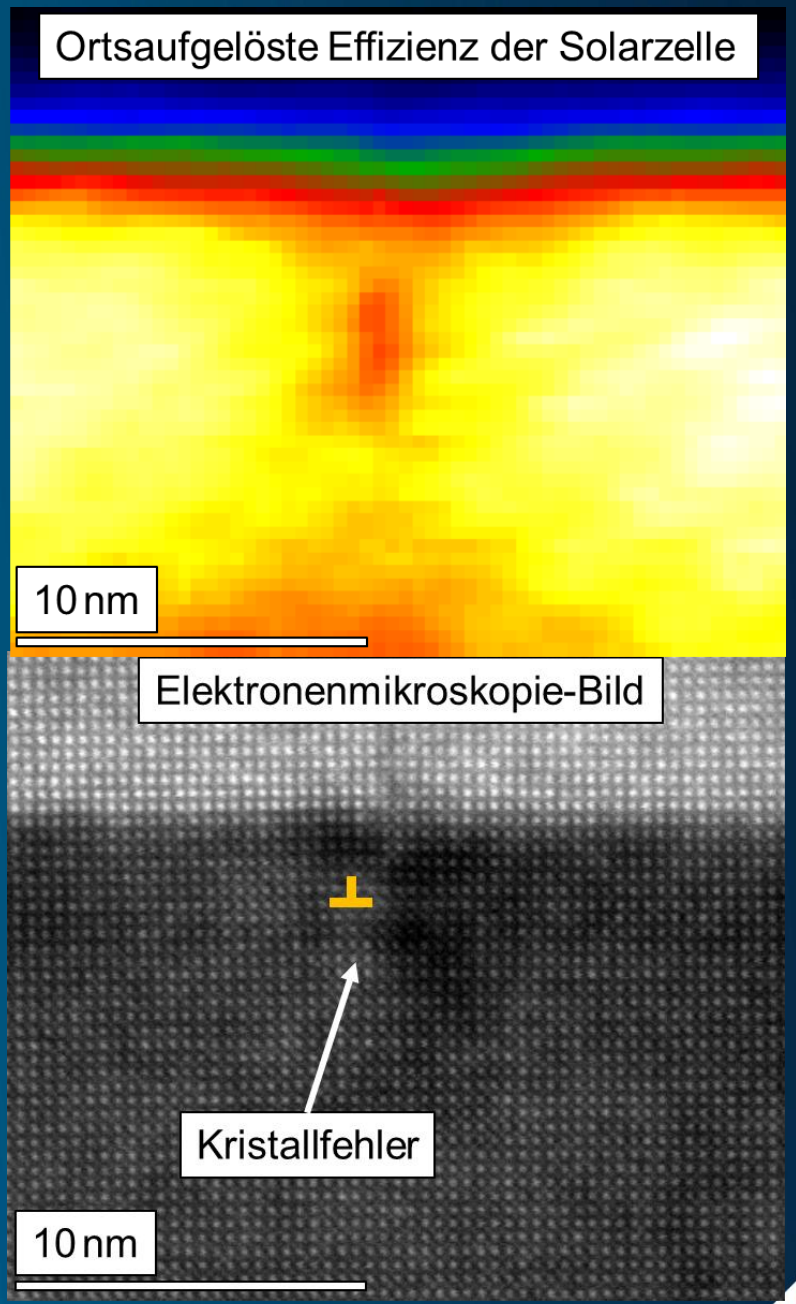
- Solar cells
- Batteries
- Electrolysers
- Fuel cells
- …

Materialphysik

Beispiele

Atomare Struktur der Korngrenze eines Ionenleiters





Veranstaltungs-Angebot

- Introduction to Materials Physics, 4C block course, B.Phy.1531
- Materials Physics I: Microstructure-Property-Relations, 4C lecture, M.Phy.5705
- Materials Physics II: Kinetics and Phase Transformations, 4C lecture, M.Phy.5706

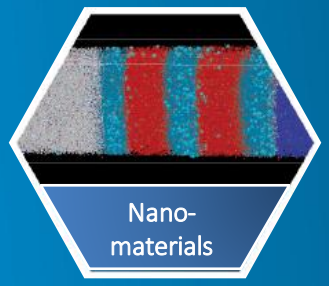
Spezialvorlesungen:

Materials research with electrons

Mechanism and Materials for renewable energy

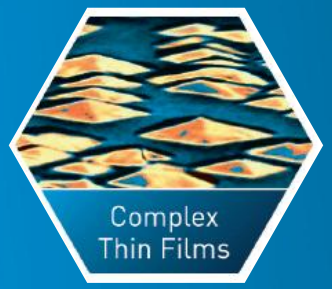
Thin Films: Science and Industrial Demand

On the unity of humans and nature

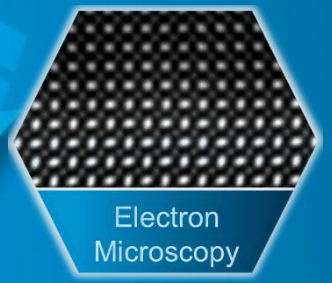


Cynthia Volkert:
Materials for a Hydrogen Economy,
Li Ion Battery Electrode Materials

Christian Jooss:
Material design of complex oxide
energy materials
Photovoltaics, (Photo-)Electrochemistry



Jasnamol Palakkal:
Thin film technology
Magnetic, Optoelectronic, and Catalyst
Materials



Tobias Meyer:
Electron microscopy of energy
materials: Solar cells & catalysts