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**S E M I N A R**  
on  
**Semiconductor Physics and Nanotechnology**

**Mo, 25.11.2024, 11:15 Uhr,**

**Seminar in  
person in the Physics lecture hall or via Zoom**

**“Chiral Symmetry Breaking: Crystallisation of Molecules at  
Surfaces”**

**Prof. Dr. Roland Resel**

Institute of Solid State Physics, Graz University of Technology, Austria

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Chiral symmetry breaking of molecular crystals is a spontaneous process which separates molecules into their chiral state so that they can form enantiomorphic crystal structures. The talk will introduce important terms which are related to chirality of molecules. Two different types of axially chiral molecules will be introduced together with their abilities to crystallize in a chiral state within thin films. Two experimental methods – anomalous X-ray diffraction and electronic circular dichroism - will be introduced which are used for determination of the chirality within thin films.

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**Zoom – Link:**

<https://zoom.us/j/96375934537?pwd=RTIKTWhSdzRHU211YTY1bGFxTUtpZz09>

[Meeting-ID: 963 7593 4537](#)

[Kenncode: =r=4YQ](#)