

19<sup>TH</sup> HERMANN STAUDINGER LECTURE  
NOBEL PRIZE LAUREATES AT FRIAS  
**ZHORES I. ALFEROV**  
IOFFE INST., ST. PETERSBURG UNIVERSITY

SEMICONDUCTOR REVOLUTION OF THE  
20TH CENTURY & ITS IMPORTANCE TODAY

Zhores Alferov began working in the area of semiconductor heterostructures in the '60s. His contributions to physics and technology of semiconductor heterostructures, especially investigations of injection properties, development of lasers, solar cells, LED's, and epitaxy processes have led to the new field of heterostructure physics and electronics.

In 2000 Zhores Alferov, Herbert Kroemer and Jack S. Kilby were awarded the Nobel Prize in Physics 2000 "for basic work on information and communication technology", with the focus of Alferov and Kroemer on "semiconductor heterostructures used in high-speed- and opto-electronics".

Tuesday, February 3rd , 2015

4:15 p.m.

Anatomy Lecture Hall  
Albertstraße 19, Freiburg

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