

Im Rahmen des Seminars

Recent Progress in Applied Physics

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spricht

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über

Optically Switchable Crystalline - Amorphous Phase Change Materials

Abstract:

This talk presents a comprehensive study of laser-induced phase transformations in Sb₂S₃ thin films, combining fast numerical simulations with imaging ellipsometry and Raman spectroscopy. We developed an efficient simulation framework incorporating electromagnetic and thermal effects, which revealed the crucial role of saturable absorption in the amorphization process.