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SEMINAR

- GUEST:** M. Frumar and Collaborators
(T. Wagner, B. Frumarova, P. Nemeč, M. Hrdlicka and many present
and former PhD and MSc students)
University of Pardubice, Czech Rep.
- THEME:** **Chalcogenide glasses and films materials of interesting properties
and many applications**
- PLACE:** FORTH/ICE-HT Auditorium
- DATE:** Monday, 3rd of May, 2004
- TIME:** 12:00

ABSTRACT

A short review of amorphous and glassy chalcogenides, their properties and applications in optics, optoelectronics, chemistry, ecology, biology and medicine will be given. The preparation of thin films by pulsed laser deposition technique and determination of the structure, optical properties of pure and doped chalcogenides will be discussed. The optically induced changes of the structure, of index of refraction, optical transmittivity and chemical dissolution rates are not only applicable but also an interesting subject of the fundamental research. Recent results of the author and his group will be exaggerated.