

**Seminarium Studium Doktoranckiego NCBJ**  
**Poniedziałek, 11 grudnia, godzina 9:00**  
**Sala 22 w NCBJ, Hoża 69**

**Speaker:** Szymon Domański, M.Sc.

**Title:** Application of the ultrahigh dose thermoluminescence dosimetry for radiation-hardness testing

**Abstract:** In radiation processing, where large absorbed doses and dose rates from photon sources have to be measured with reasonable accuracy, dosimetry systems serve an important function. Proven methods are demanded to perform radiation measurements in development of new processes, validation, qualification, and verification of established processes and archival documentation of day to day processing uniformity. Implementation a system corresponding to recognised standards from scratch is not the simplest task. However, it is possible. During my presentation I wish to discuss the possible application of LiF:Mg,Cu,P thermoluminescence phosphor in the field of material testing.