

# PLEPS Workshop

## 2<sup>nd</sup> User-Meeting at NEPOMUC

30 October 2007

Welcome	W. Petry / J. Neuhaus	9:00 AM
Introduction	G. Dollinger	9:20 AM
Positrons at NEPOMUC	C. Hugenschmidt	9:40 AM
PLEPS present status & future	P. Sperr & W. Egger	10:00 AM
Free volume distribution at polymer solid interfaces	K. Rätzke	10:30 AM
Investigations of the free volume in the skin layers of polymer membranes	J. de Baerdemaeker	10:45 AM
<b>Coffee</b>		11:00 AM
Analysis of defect and precipitate configurations in aluminium-based alloys	H. J. Gudladt	11:30 AM
Early rapid-hardening study on Al-Zn-Mg-(Cu) alloys	R. Ferragut	11:45 AM
Fast vacancy kinetics in intermetallic compounds	W. Puff	12:00 PM
He-implantation-induced defects in tungsten and evolution in temperature	M.-F. Barthe	12:15 PM
Defect-distribution in hydrogen implanted tungsten	K. Schmid	12:30 PM
Ion-irradiation structural imperfections in metallic and non-metallic solids	Z. Kajczos	12:45 PM
<b>Lunch</b>		1:00 PM
Hydrogen trapping at defects in H <sup>+</sup> -implanted materials	I. Prochazka	2:00 PM
PALS-studies of hydrogen interaction with defects in thin magnetic films	J. Cizek	2:15 PM
PLEPS-studies of advanced materials foreseen for fusion and fission technology	V. Slugen	2:30 PM
Role of defects associated to the switchable colossal resistance effect in $\text{La}_{2/3}\text{Sr}_{1/3}\text{MnO}_3/\text{SrTiO}_3/\text{Nb:SrTiO}_3$ junctions	A. Dupasquier	2:45 PM
Magnesium with transition metals catalysts	R. Brusa	3:00 PM
<b>Coffee &amp; Visit NEPOMUC at FRM II</b>		3:15 PM
Size distribution of vacancy clusters in ion implanted nitride semiconductors	P. Toumisto	5:00 PM
PLEPS investigations of broad band-gap semiconductors	R. Krause-Rehberg	5:15 PM
Measurements in thin ZnO films	G. Brauer	5:30 PM
Determination of defects in 6H-SiC single crystals irradiated with 20 MeV Au ions	A. Gentils	5:45 PM
Defect structure of $\text{C}_{60}$ layers	O. Senftleben	6:00 PM
Summary	G. Dollinger	6:15 PM
<b>Poster Session: Instruments at FRM II &amp; NEPOMUC</b>		6:30 PM
<b>Bavarian Brotzeit</b>		