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Synchrotr	on radiation b	ased imagi	ng methods fo source A		ations at the German light	
Alexan	<u>ider Rack</u> <sup>1</sup> , Tim				ky <sup>2</sup> , Rolf Simon <sup>1</sup> , Daniel	
			Luebbert <sup>1</sup> , Tilo			
(1) von	Institute for Syı -Helmholtz-Plat	nchrotron Ra tz 1, Eggenst	diation - ANKA, ein-Leopoldsha	Forschungszentrum k fen Baden-Wuerttemb	Karlsruhe, Hermann- Derg 76344, Germany	
<sup>(2)</sup> Kris	stallographische		niversität Freibu Ierttemberg 79		-Str. 5, Freiburg Baden-	
				<i>BP 220, Grenoble Ceo</i> n Karlsruhe (Karlsruh		
An imaging the applicat users. Part European p These nove The white b reflections of method is of information example a failures and High resolu component encapsulati micro-tomo sub-microm methods de orientations	group within the cion of imaging of the activities roject for the de l detectors will beam synchrotrow where each refl of high interest for about e.g. disl selected topogr l losses in the p tion and phase material system ng wire-bonded ography allow to beter range, e.g. erived from stoo s or spatial corr	the ISS works methods with of the group evelopment of be character on topograph ection contai for the semic ocations and roduction of s contrast radi ms, e.g. to de l devices. Rado image obje- g. bio-cerami chastic geomo	on the develop hin inhouse rese o is also the ma of novel X-rays ized and used a ny as performed ns a topograph conductor indust dopant inhomo mm Si-wafer a semiconductor ography is used etect delaminat diographs taken cts in three dim ics in regenerat etry can be use	earch or projects with nagement plus scienti detectors based on th t ANKA for topograph is based on recording from the same invest geneities within a sing llows to detect local d devices. I to investigate micro- ions between substra- from different project ensions with a spatial ing bone. The applicat	ion and methods as well as scientific and commercial fic participation in an in scintillating crystals. y and microtomography. g a Laue-pattern of cigated crystal position. The ver non-destructively gle-crystal. Mapping for lefects which can lead to -structured, multi- tes and glob tops ction angles for computed resolution down to the tion of 3D image analysis on of size distributions,	
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Session : Presentatio	-	NBA06 Synchrotron Applica Invited Talk				
Keywords:	synchrotro evaluation	synchrotron imaging, topography, laminography, materials reseach, non-destructive evaluation, microtomography, radiography, micro-diffraction, phase contrast, coherent imaging				
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