



	Tue, Jan 21	Wed, Jan 22	Thu, Jan 23	Fri, Jan 24
Time	XNPIG	XNPIG	XNPIG	IMXP
9:00-9:15	"Opening remarks"			"Opening remarks"
9:15-10:00	Prof. Atsushi Momose	Dr. Peter Cloetens	Dr. Thomas Koehler	Prof. Junji Tanaka
10:00-10:30	J. Meiser "Larger! Higher! Better! Smaller! X-Ray Grating Fabrication: towards High Quality Gratings for Application in Grating-based Differential Phase Contrast Imaging"	A. Burvall "Comparison of high-resolution phase-contrast imaging methods with respect to dose"	M. Marschner "Towards Lower Dose – Statistical Iterative Reconstruction for Phase-Contrast Computed Tomography "	Z. Wang "Phase contrast mammography: potential clinical relevance in breast cancer diagnosis"
10:30-11:00	Coffee	Coffee	Coffee	Coffee
11:00-11:30	A. Yaroshenko "Development of a Compact Grating-Based High-Energy Setup for Phase-Contrast Imaging"	M. Olbinado "Dynamic x-ray imaging using synchrotron radiation and x-ray Talbot interferometry via fringe scanning: application to fast x-ray tomography of insects and visibility contrast imaging of a dilatant fluid"	F. Schaff "X-Ray Tensor Tomography"	S. Grandl "Grating-based phase-contrast mammography at conventional X-ray sources – an ex-vivo study"
11:30-12:00	S. Fujino "Design of compact Talbot-Lau interferometer with embedded X-ray targets disregarding Talbot distance"	H. Wang "Grating based phase imaging for X-ray optics characterization"	F. Bayer "Tensorial reconstruction of projection angle dependent dark-field signal in grating-based X-ray phase contrast imaging"	K. Hellbach "In vivo Visualization of Pulmonary Emphysema"
12:00-12:30	K. Harmon "Demodulation of 2D grating images by linear phase stepping"	M. Ruiz-Yaniz "X-ray grating-based phase-contrast imaging at energies over 100 keV"	W. Yashiro "General Concept of Visibility Contrast in X-ray Grating Interferometry"	K. Morgan "Live airway x-ray imaging with a single grating"
12:30-2:00	Lunch	Lunch	Lunchboxes	Lunch & Poster Session
2:00-2:45	Prof. Michael Hart	Dr. Thorsten Johnson	Excursion	Prof. Etta Pisano
2:45-3:15	M. Bech "Recent results from a first preclinical x-ray phase-contrast CT scanner"	S. Ehn "Spectral x-ray imaging methods using the new LAMBDA detector"		M. Willner "Quantitative tissue characterization using grating-based X-ray phase-contrast imaging"
3:15-3:45	M. Endrizzi "Coded-Aperture X-Ray Phase Contrast Imaging: retrieval of Dark-field images"	H. Daerr "A Scanning Type DPCI System: System Design, Processing, and Experimental Results"		A. Fingerle "Quantification of fibrosis in human liver specimens using grating-based phase-contrast computed tomography"
3:45-4:15	Coffee	Coffee		Coffee
4:15-4:45	T. Reimann "Imaging of domain nucleation in superconductors by means of neutron grating interferometry"	A. Momose "Development for non-destructive testing with X-ray grating interferometry"		C. Habel "Coronary Atherosclerotic Plaque characterization by Grating-Based Phase-Contrast Computed Tomography Using a Broad Band X-Ray Source"
4:45-5:15	B. Betz "Visualization of magnetization processes in electrical steel laminations by Neutron Grating Interferometry"	D. Stutman "Grating X-ray Phase-Contrast Imaging for Density Diagnostic of High Energy Laboratory Plasmas"		T. Baum "Prediction of Femoral Bone Strength by Grating-Based X-ray Dark-Field Vector Radiography"
5:15-5:45	J. Kim "Imaging performance of a neutron grating interferometer with polychromatic thermal neutron beam at ENF"	J. Sperl "A Fourier-Domain Algorithm for Total-Variation Regularized Phase Retrieval in Differential X-ray Phase Contrast Imaging"	T. Geith "Propagation-based phase-contrast CT of the human knee joint – Quality of cartilage and soft tissue imaging in comparison to clinical imaging techniques and histology."	
6:00-9:00	Dinner Buffet & Poster session	Free Evening	Conference Dinner	(5:45-6:00) "Concluding remarks"