ACTIVITY REPORT of DUT

Work done / results accomplished (during the report period)

WP3- T3.1: Features enhancement.

• Software that enhances the watermarks in grayscale images.

WP3- T3.2: Sieve feature measurements in grayscale images

- Software that measures the laid lines density and chain lines distance.
- Software that finds identical pieces of paper based on the chain lines distance. (Demo version http://rembrandt.ewi.tudelft.nl/).
- Software that detects watermarks in grayscale images. (Currently improving the first software version)

WP3- T3.2: Sieve feature measurements in binary images

- At the request of OEAW and LABW we have developed (semi-automatical) software
 that measures watermark height and width in the Piccard online database and
 Printed Piccard collection. The software has been finished. It has already been
 implemented at OEAW and will be installed at LABW as soon as they have a Matlab
 license).
- Software has been developed at the request of OEAW and LAB isolating watermarks
 in the Piccard online database and printed Piccard collection. It has already been
 implemented at OEAW and will be installed at LABW as soon as they have a Matlab
 license).
- The development of software that finds identical watermarks in both the printed Piccard collection and Piccard online database. The work has nearly been finished; waiting for the isolation of the watermark to be done by OEAW and LABW.

WP3- T3.2: Watermark imaging by backlight subtraction

• Software that extracts the paper structure from the reflected and transmitted image of the piece of paper.

WP 6

- Consultation with NIKI, KB and University Leiden about a Dutch exhibition about paper history and Bernstein.
- Appointments with respect to the Dutch catalogue and the new chapters to be written.

Person months for each Work Package:								
WP1:	WP2:	WP3:	7	WP4:	WP5:	WP6:	1	WP7:
-Paper. H detection (Austria)	nation activities H. Moreu Otal, I In in x-ray image ation about how atabase and Pr	M. van Staa es from pap v to use the	alduir er fo	nen, P. Pacli r dating artw ware develo	k, J.C.A. van vorks. Proceed	der Lubbe. lings SPPR	A 200 marks	08, Innsbruck s in the Piccard
-Various other art - DUT we http://ict.	nbrandt.ewi.tud lectures for the objects on pap ebsite on paper ewi.tudelft.nl/ir	e scientific over on the borner on the borne	asis <u>ption</u>	of paper and	alysis. ons&id=37&Ite		g of (etchings and
<u>Materials</u> •	s bought / subc	ontracting (only	in relation to	this project)			
Global ev	valuation in rela	ation to the	proje	ect's objectiv	<u>/es</u>			
g	Emphasis in this grayscale image cooperation with	es and wate	ermai	rk isolation f	•			

Improvements / Proposals / Comments