Scientific Computing and the Cultural Heritage
SCCH Workshop 2007

H.G.Bock, W.Jäger, M.Winckler
IWR and IGK Complex Processes

Program

Monday, Nov 12		
09:45		Opening
10:00	A.Foni	*Animation and Illumination in Ancient Roman Sites*
11:00	J.Fassbinder	*Archaeological Prospection of UNESCO World Heritage Sites*
11:45	B.Schmiedtova	*Seeing for Speaking*
Lunchbreak		
14:00	P.Nguonphan	*Angkor Wat style temples and the Angkor temple generator*
14:45	M.Fornasier	*Mathematical imaging in visual art restoration*
16:00	H.Leisen	*The German Apsara Conservation Project (GACP)* (tbc)
17:00	G.Gudehus	*Tilting towers in Pisa and elsewhere - physical and mathematical models*

Tuesday, Nov 13		
09:00	R.Beusing	*EU Netconnect Project - Connecting culture with new technology*
09:45	L.Ledderose	*Digitization of chinese stone encarvings*
11:00	M.Sauerbier	*Image-based modeling of Cultural Heritage objects*
11:45	S.Maul/W.Jäger	*Cuneiform Texts* (tbc)
Lunchbreak		
14:00	K.Lambers	*Detection of Archaeological Residues in High Resolution Multispectral Satellite Imagery: A Review and Research Agenda*
14:45	B.Menze	*Satellite remote sensing of ancient settlement structures in the Near East*
16:00	D.Heermann	*The Monte Carlo Method in the Sciences*
17:00	L.Saurma	*Challenges in Scientific Computing: Some remarks on virtual libraries as means of regaining lost knowledge*
17:30	S.Krömker	*Laserscan and Georadar in Archaeology*

Wednesday, Nov 14		
09:00	S.Fantacci, C.Milani	*Optical properties of natural dyes used in ancient paintings*
09:45	J.Poncar	*Angkor - Documentation of Temples and Sculptures*
10:30	M.Winckler	*The Angkor Project Group - a Heidelberg-Phnom Penh collaboration project*
11:00	R.Suon	*How the Bayon reliefs shape our view on Cambodian architecture*
11:45		Final Discussion