Asian Workshop on 3D Body Scanning Technologies Tokyo, Japan, 19-20 April 2011 Organized by HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo www.3dbodyscanning.org/asia Preliminary Program THE WORKSHOP HAS BEEN CANCELED Tuesday 19th April 2011 08:00-09:00 Registration - Welcome desk 09:00-10:00 **Opening Session** – Conference Room Welcome speech from the workshop director hometrica consulting Nicola D'APUZZO Hometrica Consulting, Zurich/Ascona, Switzerland Body surface deformation modeling for sports garment design (#20) Masaaki MOCHIMARU a , Sang-II PARK b ^a Digital Human Research Center, AIST, Tokyo, Japan ^b Sejong University, Seoul, South Korea Latest innovations in 3D and 4D medical simulation technology (#40) 3dMD Chris LANE 3dMD LLC, Atlanta (GA), USA 10:00-10:30 **Coffee Break** 10:30-12:00 Technical Session 1: Body Scanning for Apparel I - Conference Room i-Fashion implementation with 3D body scanning system (#30) Fashion Chang Kyu PARK, Yongsoo Park i-Fashion Technology Center, Konkuk University, Seoul, Korea iSize - The new international online-portal for size and HUMAN SOLUTIONS fit optimization in worldwide markets (#38) Rainer TRIEB, Anke RISSIEK Human Solutions GmbH, Germany 3D body scanning method for close-fitting garments in sport and medical applications (#35) RMIT Olga TROYNIKOV and E. ASHAYERI School of Fashion and Textiles, RMIT University, Brunswick, Australia An online fitting simulation system of a garment using 3D body data (#25) B HANSHIN Ran CHOI, Chang-Suk CHO Dept. of Digital Convergence, Hanshin University, Gyeonggi-do, Korea 12:00-13:30 Lunch Break 13:30-15:00 Technical Session 2: Body Scanning for Medicine and Health - Conference Room Keynote presentation: Three-dimensional imaging for orthodontics and maxillofacial surgery (#16) / A = 1 Chuna How KAU Department of Orthodontics and Dentofacial Orthopedics, University of Alabama at Birmingham, USA Deploying reconfigurable 3D scanning for complex anatomical measurements (#15) Chris I ANF 3dMD LLC, Atlanta (GA), USA Analysis of foot shape features using multi-dimensional scaling method 健康科学大学 for classification of foot type in elderly with hallux valgus (#19) SunaHvek KIM

Health Science University, Yamanashi, Japan





Wednesday 20th April 2011

	08:30-10:30 Technical Session 4: Body Scanning Systems and Technologies – Conference Room				
	THE UNIVERSITY OF NEWCASTLE AUTTALIA	Challenges of simple shape-from-shading in body surface measurement (#28) Image: Challenges of simple shape-from-shading in body surface measurement (#28) Harvey MITCHELL Image: Challenge shape-from-shading in body surface measurement (#28) Civil, Surveying and Environmental Engineering, University of Newcastle, Australia			
	# TOPCON	Human body measurement by digital photogrammetry system (#17) Nobuo KOCHI, Kazuo KITAMURA, H. WATANABE, M. YAMADA TOPCON Corp., Tokyo, Japan			
	mantis vision	Real-time 3D content creation of 3D human body using a handheld 3D imager and/or synchronized sensors platform (#33) Shabtay NEGRY Mantis Vision Ltd., Tel Aviv, Israel			
;	data>design	3D body scanning by Artec 3D scanner (#14) <i>Tomohide IMADA</i> DataDesign, Nagoya, Japan			
	Keio University	Shape completion and modeling of 3D foot shape while walking using homologous model fitting (#29) Yuji YOSHIDA ^e , Shunta SAITO ^e , Yoshimitsu AOKI ^e , Makiko KOUCHI ^b , Masaaki MOCHIMARU ^b ^a Faculty of Science and Technology, Keio University, Tokyo, Japan ^b Digital Human Research Center, AIST, Tokyo, Japan			
	10:30-11:00	Coffee Break			
	11:00-12:30	Technical Session 5: Body Scanning for Apparel II – Conference Room			
		3D body scanning applications in apparel (#37) Presenter/author not known yet Shangai Yin Science and Technology Co.Ltd., China			
		Revolutionising the apparel industry in Thailand (#11) Supiya CHAROENSIRIWATH National Electronics and Computer Technology Center, Pathumthani, Thailand			
	building for building to building the second	3-D body measurements using active millimeter wave technology (#08) <i>M. F. KARIM, B. LUO, L. C. ONG, I. R. KHAN, and M. CASSIM</i> Institute for Infocomm Research (I2R), Singapore			
	TELMAT	New generation of the 3D body scanning technology SYMCAD™ (#36) Jean-Loup RENNESSON TELMAT Industrie SA, France			
	12:30-13:30	Lunch Break			
	14:00-15:30	Technical Session 6: Digital Anthropometry and Ergonomics – Conference Room			
No-	2日本体育大学 日本体育大学が予想開大学部 HAMAMATSU	Body surface area and body volume measurements in the fields of health and sports sciences (#32) <i>Kazuo FUNATO</i> ^a , <i>Noriko HAKAMADA</i> ^a , <i>Hidehiko NAGASHIMA</i> ^b , <i>Chiyoharu HORIGUCHI</i> ^b ^a Laboratory for Human Movement Sciences, Nippon Sport Science University, Yokohama, Japan ^b Hamamatsu Photonics K.K., Japan			
	Fashion Technology Center	Implementation and analysis of the 2010 size Korea survey project (#31) <i>Chang Kyu PARK, Yongsoo PARK</i> i-Fashion Technology Center, Konkuk University, Seoul, Korea			
	THE FASH GOME POLYTICIPAC UNIVERSITY 音商見上人争	Anthropometric study on chinese head (#04) Roger BALL, Yan LUXIMON, Eric CHOW Image: CHOW Asian Ergonomic Lab, The Hong Kong Polytechnic University, Hong Kong Image: CHOW Image: CHOW			
,		ANTHROSCAN - An integrated solution for planning, evaluation and dissemination of 3D scan surveys (#43) <i>Jochen BALZULAT, Rainer TRIEB</i> Human Solutions GmbH, Germany			

15:30-16:00	Coffee Break	
16:00-17:30	Technical Session 7: Full Body Scanning – Conference Room	
3dMD 💱	Update on the deployment of 3dMD's modular body scanning system (#39) <i>Chris LANE</i> 3dMD LLC., Atlanta (GA), USA	
(TC) ²	[TC] ² 's full body scanning systems (#41) Presenter/author not known yet [TC] ² Corp., Cary (NC), USA	
Keio University	Web-based human body modeling by restricted number of anthropometric data (#27) Hideto KAMESHIMA ^a , Yuji NISHIO ^a , Yukio SATO ^b ^a Spacevision, Inc., Japan ^b Keio University, Tokyo, Japan	
	VITUS 3D body scanner (#42) Markus MAURER VITRONIC GmbH, Wiesbaden, Germany	
	A protocol for evaluating the accuracy of 3D body scanners (#07) Makiko KOUCHI, Masaaki MOCHIMARU, Bruce BRADTMILLER, Hein DAANEN, Yunja NAM, Peng LEE, Beatriz NACHER Digital Human Research Center, AIST, Tokyo, Japan	Normality Normality <t< th=""></t<>
17:30-18:30	Closing Session with Discussion – Conference Room	
hometrica	Closing speech and announcements for 3D Body 2011 <i>Nicola D'APUZZO</i> Hometrica Consulting, Zurich/Ascona, Switzerland	
	Discussion on validation methods for 3D body scanners <i>Moredator: Masaaki MOCHIMARU</i> Digital Human Research Center, AIST, Tokyo, Japan	
Exhibitors and	d sponsors (preliminary list)	
3dMD 💱	3dMD (USA) – www.3dmd.com 3dMD is the world leader in 3D body scanning for medical applications, with well more th 3D cameras worldwide. The ultra-fast high-precision 3D surface imaging devices and the software application software will be demonstrated at the conference exhibition.	an 800 ∋ powerful
	Human Solutions (Germany) – www.human-solutions.com	Quatanta
	from Human Solutions are used by more than 300 companies worldwide. At the worksho Human Solutions will demonstrate full body scanning systems.	p exhibition,
data>design	from Human Solutions is a world market reader for body scanning and ergonomics simulation from Human Solutions are used by more than 300 companies worldwide. At the worksho Human Solutions will demonstrate full body scanning systems. DataDesign (Japan) – www.datadesign.co.jp DataDesign is a solutions provider specialized in 3D CAD/CAM, 3D scanning, 3D data pi and 3D printing. DataDesign is commercial partner of Artec Group Inc. (USA) and will de Artec's 3D scanning equipment at the workshop exhibition.	p exhibition, rocessing monstrate
data> design Oper House House	 Human Solutions is a world market reader for body scanning and ergonomics simulation from Human Solutions are used by more than 300 companies worldwide. At the workshot Human Solutions will demonstrate full body scanning systems. DataDesign (Japan) – www.datadesign.co.jp DataDesign is a solutions provider specialized in 3D CAD/CAM, 3D scanning, 3D data p and 3D printing. DataDesign is commercial partner of Artec Group Inc. (USA) and will de Artec's 3D scanning equipment at the workshop exhibition. SpaceVision (Japan) – www.spacevision.com SpaceVision is a leading manufacturer of innovative 3D imaging solutions used in variou fields. SpaceVision will demonstrate at the workshop exhibition the world's smallest, light 3D body scanner. 	p exhibition, rocessing monstrate s application test and fastest
Cata- design Deat Processioner	 Human Solutions is a world market leader for body scanning and ergonomics simulation from Human Solutions are used by more than 300 companies worldwide. At the workshot Human Solutions will demonstrate full body scanning systems. DataDesign (Japan) – www.datadesign.co.jp DataDesign is a solutions provider specialized in 3D CAD/CAM, 3D scanning, 3D data p and 3D printing. DataDesign is commercial partner of Artec Group Inc. (USA) and will de Artec's 3D scanning equipment at the workshop exhibition. SpaceVision (Japan) – www.spacevision.com SpaceVision is a leading manufacturer of innovative 3D imaging solutions used in variou fields. SpaceVision will demonstrate at the workshop exhibition the world's smallest, light 3D body scanner. Shanghai Yin Science and Technology (China) – www.yingroup.com Shanghai Yin Science and Technology is market leader in Asia for CAM/CAD/CAS syste exhibition of the workshop, will be demonstrated the new 3D body scan system YIN HY-S developed especially for the garment industry. 	p exhibition, rocessing monstrate s application test and fastest ms. At the Scanner310
data - design Det from transfer USION	 Human Solutions is a world market leader for body scanning and ergonomics simulation from Human Solutions are used by more than 300 companies worldwide. At the workshot Human Solutions will demonstrate full body scanning systems. DataDesign (Japan) – www.datadesign.co.jp DataDesign is a solutions provider specialized in 3D CAD/CAM, 3D scanning, 3D data p and 3D printing. DataDesign is commercial partner of Artec Group Inc. (USA) and will de Artec's 3D scanning equipment at the workshop exhibition. SpaceVision (Japan) – www.spacevision.com SpaceVision (Japan) – www.spacevision.com SpaceVision will demonstrate at the workshop exhibition the world's smallest, light 3D body scanner. Shanghai Yin Science and Technology (China) – www.yingroup.com Shanghai Yin Science and Technology is market leader in Asia for CAM/CAD/CAS syste exhibition of the workshop, will be demonstrated the new 3D body scan system YIN HY-4 developed especially for the garment industry. [TC]² (USA) – www.tc2.com [TC]² is a world leader in 3D body scanning hardware and software. [TC]² provides 3D body scanning virtual fashion, health/fitness, medical, gaming, and online virtual world the exhibition. 	p exhibition, p exhibition, rocessing monstrate s application test and fastest ms. At the Scanner310 ody scanning orlds applications.

Exhibitors and sponsors (preliminary list) cont.

UNISYS

Nihon Unisys (Japan) – www.unisys.co.jp , www.karada3d.net

Nihon Unisys will demonstrate at the exhibition the interactive solution 3D Body Smart Navigation which allows to visualize and simulate the personal 3D body figure, without the need of 3D body scanners, by providing three sizes, height, weight and age.



VITRONIC

Pantomat (Hungary) - www.pantomat.com

Pantomat offers low cost 3D scanning systems based on passive stereo-photogrammetry. Mr. Lorant Szabo, CEO and founder of Pantomat, will held a presentation at the workshop.

VITRONIC (Germany) – www.vitronic.com

VITRONIC, a world leading organizations in the field of machine vision, is developer and manufacturer of body scanning systems employed by Human-Solutions. At the exhibition, VITRONIC will demonstrate its 3D full body scanner VITUS.

Program outline:

Asian Workshop on 3D Body Scanning Technologies, Tokyo, Japan, 19-20 April 2011						
Time	Tuesday 19 th April 2011		Wednesday 20 th April 2011			
08:00	Registration	Exhibition	Registration Desk Setup	Exhibition		
09:00	Opening Session HC – DHRC – 3DMD	Exhibition	Technical Session 4 Body Scanning Systems and Technologies	Exhibition		
10:00	Coffee Break		Coffee Break			
11:00	Technical Session 1 Body Scanning for Apparel I		Technical Session 5 Body Scanning for Apparel II			
12:00	Lunch Break		Lunch Break			
13:00	Technical Session 2		Technical Session 6 Digital Anthropometry			
14:00	Body Scanning for Medicine and Health					
15:00	Coffee Break					
	Technical Session 3 3D Body Modeling and Avatars		Coffee Break			
16:00		Technical Session 7 Full Body Scanning	Exhibition Breakdown			
17:00	Poster Session		Closing Session with Discussion			
18:00			Validation of 3D Body Scanners			

Contact information:

Workshop venue:	National Institute of Advanced Industrial Science and Technology (AIST) Waterfront 3F Digital Human Research Center 2-3-26, Aomi, Koto-ku, Tokyo 135-0064, Japan
Workshop office:	HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo Via Collegio 28, CH-6612 Ascona, Switzerland
Workshop website: Workshop e-mail:	www.3dbodyscanning.org/asia asia@3dbodyscanning.org



