CONFERENCE PROGRAM

2nd International Conference on
3D Body Scanning Technologies
Lugano, Switzerland, 25-26 October 2011

Organized by   HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo   www.3dbodyscanning.org/2011

Program Outline

2nd International Conference on 3D Body Scanning Technologies, Lugano, Switzerland, 25-26 October 2011

Time	Tuesday 25th October 2011			Wednesday 26th October 2011		
08:00	*Registration Welcome Desk*		*Exhibition Setup*			*Exhibition Setup*
09:00	**Opening Session ***		**Exhibition**	*Technical Session 7* **Human Body Scanning**	*Technical Session 8* **Garment Draping Simulation**	**Exhibition**
10:00	*Coffee Break*			*Coffee Break*		
11:00	*Technical Session 1 ** **Medical Scanning Systems I**	*Technical Session 2* **Body Scanning for Apparel I**		*Technical Session 9* **Applications in Health and Sport**	*Technical Session 10 ¤* **Body Scanning Systems**	
12:00						
13:00	*Lunch Break*			*Lunch Break*		
14:00	*Technical Session 3* **Digital Anthropometry I**	*Technical Session 4 ¤* **Scanning Technologies**		*Plenary Session ** **Invited Talk**		
15:00				*Coffee Break*		
				Technical Session 11 ¤ **Medical Scanning Systems II**	*Technical Session 12* **Digital Anthropometry II**	*Exhibition Breakdown*
16:00	*Coffee Break*					
17:00	*Technical Session 5* **Medical Applications**	*Technical Session 6* **Body Scanning for Apparel II**		*Short Break*		
				Closing Session		
18:00	**Welcome Cocktail**				*Special Meeting* **DICOM WG6**	

* Sessions with keynote presentations or invited talks
¤ Sessions with world premieres

Conference Office

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2nd International Conference on
3D Body Scanning Technologies
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Organized by HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo   www.3dbodyscanning.org/2011

Tuesday 25th October 2011

08:00-09:20	**Registration** – Welcome Desk

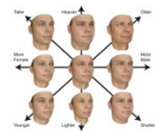|		
09:20-10:00	**Opening Session** – Room B1	Chairman: Dr. N. D'Apuzzo *Hometrica Consulting (Switzerland)*

Welcome speech from the conference director
N. D'Apuzzo; Hometrica Consulting, Switzerland

Invited talk
Morphable models of faces, skull and bones
T. Vetter; University of Basel, Switzerland

10:00-10:30	**Coffee Break** – Foyer

|		
10:30-12:30	**Technical Session 1: Medical Scanning Systems I** – Room C	Chairman: Prof. S. Semenov *Keele University (UK)*

Keynote presentation:
Deploying reconfigurable 3D scanning for complex anatomical measurements
C. Lane; 3dMD, USA #43

Laser triangulation system for the measurement of volume and color of wounds
U. Pavlovcic, M. Jezersek , J. Mozina; University of Ljubljana, Slovenia #41
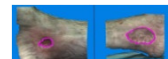
Development of a BCCT quantitative 3D evaluation system
through low cost solutions
H.P. Oliveira[1], P. Patete[2], G. Baroni[2], J.S. Cardoso[1]
[1]Universidade do Porto, Portugal, [2]Politecnico di Milano, Italy #24

3D and 4D surface image capture using passive stereo photogrammetry
C. Urquhart; Dimensional Imaging, UK

10:30-12:30	**Technical Session 2: Body Scanning for Apparel I** – Room B1	Chairman: Mr. J.-M. Surville *LECTRA (France)*

Comparability between simulation and reality in apparel:
A practical project approach from 3D-body scan to individual
avatars and from 3D-simulation in vidya to fitted garments
M. Ernst[1], A. Rissiek[2];
[1]Niederrhein University of Applied Sciences, Germany, [2]Human Solutions, Germany #50

Development of 3D virtual models and 3D construction methods for garments
E.C. Hlaing, S. Krzywinski, H. Roedel; Technical University Dresden, Germany #09

The use of 3D anthropometric data for morphotype analysis
to improve fit and grading techniques
A. De Raeve, J. Cools, H. Bossaer; University College Ghent, Belgium #31

An analysis of digital 3D body imaging technology
S.-H. Lin, K. Mammel; University of Hawaii at Manoa, USA #03

3D Body Scanning Technology for virtual design of system "body-clothes"
V. Kuzmichev, N. Saharova, G. Chistoborodov; Ivanovo State Textile Academy, Russia #44

12:30-14:00	**Lunch Break**

14:00-16:00	**Technical Session 3: Digital Anthropometry I** – Room C	Chairman: Prof. T. Vetter *University of Basel (Switzerland)*

Evaluating the automated alignment of 3D human body scans
D.A. Hirshberg[3], M. Loper[3], E. Rachlin[3], A. Tsoli[1,3], A. Weiss[1], B. Corner[2], M.J. Black[1,3]
[1]Brown University, USA, [2]U.S. Army Natick Soldier Research, USA,
*[3]Max Planck Institute for Intelligent Systems, Germany* #26

Health-related shape analysis of 3D body scanner data
C. Lovato, C. Milanese, F. Piscitelli, C. Zancanaro, A. Giachetti; University of Verona, Italy #14

Selecting intrinsic landmarks in range scans
J.L. Camp[1,2], A. Goshtasby[2]
[1]Air Force Research Laboratory, USA, [2]Wright State University, USA #34

Applying a 3D body scanner to qualify the postures and
direction of changes in human body by children example
W. Sybilska, E. Mielicka; Textile Research Institute, Lodz, Poland #58
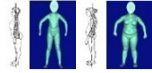
3D anthropometry and physical interaction modeling for persons with arthritis
D.J. Feathers; Cornell University, USA #40

14:00-16:00	**Technical Session 4: Scanning Technologies** – Room B1	Chairman: Dr. D. Berndt *Fraunhofer Institute IFF (Germany)*

Digitizing entire populations of consumers for smartphone applications   *world premiere*
D. Bruner; [TC]², USA #18

3D body measurements using active millimeter wave technology
M.F. Karim, B. Luo, A.R. Leyman, I.R. Khan, K.W. Seah, L.C. Ong; I²R, Singapore #13

3D body scanning with one Kinect
Y. Cui, D. Stricker; DFKI - Kaiserslautern University, Germany #07

Body trunk shape estimation from silhouettes by using homologous human body model
S. Saito[1], M. Kochi[2], M. Mochimaru[2], Y. Aoki[2]
[1]Keio University, Tokyo, Japan, [2]Digital Human Research Center, AIST, Japan #22

Scanner Killer applications in Hollywood effects   *world premiere*
*H. Kungl; XYZ RGB, Canada*

16:00-16:30	**Coffee Break** – Foyer	

16:30-18:00	**Technical Session 5: Medical Applications** – Room C	Chairman: Prof. S. Semenov *Keele University (UK)*

Latest innovations in 3D and 4D medical simulation technology
C. Lane; 3dMD, USA

Real time optical patient surface motion monitoring during radiotherapy
G. Price, J. Parkhurst, P. Sharrock, C. Moore; The Christie NHS Foundation Trust, UK #38
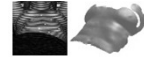
The application of the recent advances in stereophotogrammetry
for the diagnosis and management of oro-facial deformities
B. Khambay[1], X. Ju[2], T. Al-Anezi[1], A. Ayoub[2];
*[1]Glasgow University, UK, [2]NHS Greater Glasgow and Clyde, UK* #57

Criterion validity of whole body surface area equations: a comparison using 3D scanning
*N.D. Daniell, T. Olds, G. Tomkinson; University of South Australia, Australia* #36

16:30-18:00	**Technical Session 6: Body Scanning for Apparel II** – Room B1	Chairman: Prof. S.-H. Lin *University of Hawaii (USA)*

3D Body Scanning – Utilization of 3D body data for garment and footwear design
E. Kirchdoerfer, A. Mahr-Erhardt, S. Morlock; Hohenstein Institut fuer Textilinnovation, Germany #10
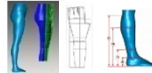
Shoe size recommendation system based on shoe inner dimension measurement
D. Omrcen, A. Jurca; UCS Universial Customization System, Slovenia #12
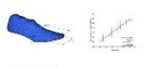
Automated generation of human models from scan data in anatomically
correct postures for rapid development of close-fitting, functional garments
C. Meixner[1], S. Krzywinski[2]; [1]ETH Zurich, Switzerland, [2]ITM - TU Dresden, Germany #05

Comparative analysis between 3D visual fit and wearers' subjective acceptability
Y.-A Lee[1], S.-M. Park[2]; [1]Iowa State University, USA, [2]Konkuk University, Korea #30

Yin Quick clothing system: 4 minutes from human body scanning
till complete garment cutting
Shanghai Yin Science and Technology, China

18:00-19:00	**Welcome Cocktail** – Room B2/3	

Wednesday 26th October 2011

| 08:30-10:00 | **Technical Session 7: Human Body Scanning** – Room C | Chairman: Prof. G. Percoco *Politecnico di Bari (Italy)* |

geomagic
The history of measuring technology and applications for mass customization
G. Schwaderer; Geomagic, Germany

eca Manchester Metropolitan University, University of Huddersfield
Wonder and the digital double
Brass Art: C. Lewis[1], K. Mojsiewicz[2], A. Pettican[3];
[1]Manchester Metropolotan University, UK, [2]Edinburgh College of Art, Scotland, UK,
[3]University of Huddersfield, UK #49
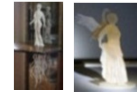
LIRIS
Pattern-based face localization and online projector parametrization for multi-camera 3D scanning
K. Ouji[1], M. Ardabilian[1], L. Chen[1], F. Ghorbel[2];
[1]LIRIS - Ecole Centrale de Lyon, France, [2]ENSI, Tunisia #27

mantis vision
Real-time 3D content creation of 3D human body using a handheld 3D imager and/or synchronized sensors platform
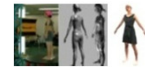*S. Negry; Mantis Vision, Israel #06*

| 08:30-10:00 | **Technical Session 8: Garment Draping Simulation** – Room B1 | Chairman: Prof. M. Ernst *Niederrhein University (Germany)* |

HANSHIN UNIVERSITY
An online fitting simulation system of a garment using 3D body data
R. Choi, C.-S. Cho; Hanshin University, Korea #04

Manchester Metropolitan University
Integrating 3D scanning data & textile parameters into virtual clothing
E.J. Power, P.R. Apeagyei, A.M. Jefferson; Manchester Metropolitan University, UK #15

Lectra
Posture, 3D real body, virtual try on: Towards fashion
J.-M. Surville; LECTRA, France #53

Styku / TUKATECH
Concept to consumer: 3D virtual prototyping, Kinect body scanning, and virtual try-ons
R. Sareen[1,2]; [1]Styku, USA, [2]Tukatech, USA

| 10:00-10:30 | **Coffee Break** – Foyer |

| 10:30-12:30 | **Technical Session 9: Applications in Health and Sport** – Room C | Chairman: Mr. R. Barnes *Select Research (UK)* |

RMIT UNIVERSITY
3D body scanning method for close-fitting garments in sport and medical applications
O. Troynikov, E. Ashayeri; RMIT University, Australia #02

HUMAN SOLUTIONS / universität wien
Body fat percentage extracted from 3-D scans for sports & medical science
J. Balzulat[1], U. Botzenhardt[1], N. Bachl[2], A. Baca[2], M. Heller[2];
*[1]Human Solutions, Germany, [2]University of Vienna, Austria #42*
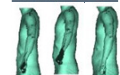
CMU CENTRAL MICHIGAN UNIVERSITY
The effects of short-term exercise on anthropometric measurements
T. Domina, P. Kinnicutt; Central Michigan University, USA #33

JUSTUS-LIEBIG-UNIVERSITÄT GIESSEN / UNIVERSITÄT KOBLENZ·LANDAU
Defining area mass index (AMI) using 3D body scanning as an improvement of BMI
E. Schlich[1], M. Schlich[2];
[1]Justus Liebig University Giessen, Germany, [2]University Koblenz-Landau, Germany #08

Keio University / Digital Human Research Center
Shape completion and modeling of 3D foot shape while walking using homologous model fitting
Y. Yoshida[1], S. Saito[1], Y. Aoki[1], M. Kouchi[2], M. Mochimaru[2]
[1]Keio University, Japan, [2]Digital Human Research Center, AIST, Japan #23
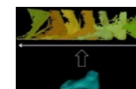
| 10:30-12:30 | **Technical Session 10: Body Scanning Systems** – Room B1 | Chairman: Dr. D. Bruner *[TC]² (USA)* |

VITRONIC machine vision people
VITUS 3D body scanner
M. Maurer; VITRONIC Dr.-Ing. Stein Bildverarbeitungssyteme, Germany #51

SPACE VISION / Keio University
A portable and compact 3D body scanner - 3D body scanner traveling type -   *world premiere*
M. Hayashi[1], H. Kameshima[1], Y. Nishio[1], Y. Sato[1,2]
[1]Spacevision, Japan, [2]Keio University, Japan #39
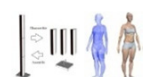
TELMAT INDUSTRIE
New generation of 3D body scanning technologies - New possibilities for fashion and marketing   *world premiere*
J.-L. Rennesson; TELMAT Industrie, France #56
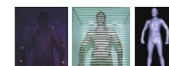
3dMD
Update on the deployment of 3dMD's modular body scanning system
C. Lane; 3dMD, USA

4DDynamics
Challenges and solutions in high resolution human body scanning
A. Grauzinis; 4DDynamics, Belgium

12:30-14:00	**Lunch Break**	

14:00-14:45	**Plenary Session** – Room B1	Chairman: Dr. N. D'Apuzzo *Hometrica Consulting (Switzerland)*

Invited talk:
Scanning of facial geometry and appearance
M. Gross; Disney Research Zurich, Switzerland

14:45-15:15	**Coffee Break** – Foyer	

| 15:15-16:45	**Technical Session 11: Medical Scanning Systems II** – Room C	Chairman: Mr. C. Lane *3dMD (USA)*

Flexible, modular 3D bodyscan system: *world premiere*
example of new orthopedic shop environments
R. Pfeiffer, S. Munk; corpus.e, Germany

Breathing training with assistance of laser 3D measuring system
K. Povsic[1], M. Flezar[2], J. Mozina[1] M. Jezersek[1]
[1]Universitiy of Ljubljana, Slovenia, [2]Universitiy Clinic Golnik, Slovenia   #35
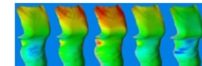
Validation of a high-resolution 3D face scanner based on stereophotogrammetry
*L.M. Galantucci, F. Lavecchia, G. Percoco, S. Raspatelli; Politecnico di Bari, Italy   #45*

3D electromagnetic tomography: technology for simultaneous
body scanning and biomedical imaging
S. Semenov; Keele University, UK   #11

15:15-16:45	**Technical Session 12: Digital Anthropometry II** – Room B1	Chairman: Prof. S. Krzywinski *TU Dresden (Germany)*

3D Measurement of children - Shape GB - The UK National Childrenswear Survey
R. Barnes; Select Research, UK   #29
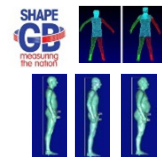
Groupes classes and measurements: Toward made to measure
J.-M. Surville; LECTRA, France   #47

Body ScanFIT system: identifying body shapes.
An anthropometric survey carried out in 2010 by CME
G. Figlie, L. Franceschi; Cad Modelling Ergonomics, Italy   #32

Data compatibility analysis of 3D body scanning
A. Vuruskan[1,2], B. Seider[3], U. Detering-Koll[1]
[1]Niederrhein University of Applied Sciences, Germany, [2]Izmir University of Economics, Turkey,
[3]Adidas Innovation Team, Germany   #52

16:45-17:00	**Short Break**	

17:00-17:15	**Closing Session** – Room B1	

Closing speech and announcements for 3D Body 2012
N. D'Apuzzo, Hometrica Consulting, Switzerland

Conference Sponsors and Exhibitors

[TC]² (USA)
www.tc2.com

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www.human-solutions.com

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www.cadmodelling.it

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corpus.e (Germany)
www.corpus-e.com

ELINVISION (Lithuania)
www.elinvision.com

3dMD (USA)
www.3dmd.com

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www.di3d.com

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www.lugano.ch

Conference Highlights

Opening Session – Invited Talk   Tuesday, 09:20, Room B1

Prof. Dr. Thomas Vetter – University of Basel (Switzerland)

Prof. Dr. Thomas Vetter is leading the Graphics and Vision Research Group of the University of Basel. Research in his group concentrates on the problem of automated image understanding. The researchers combine methods from Machine Learning, Computer Graphics and Computer Vision to implement Analysis-by-Synthesis for an automated image perception.

The talk at the opening session of the conference will regard morphable face model technology, covering applications in medicine and for entertainment, and discussing the key problem of shape registration for building statistical shape models.
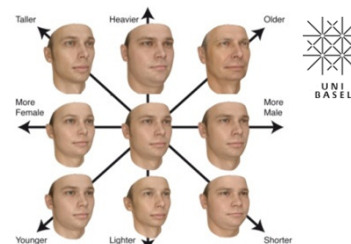
Keynote Presentation for the Medical Sector   Technical Session 3, Tuesday, 10:30, Room C

Chris Lane – CEO of 3dMD (USA)

With more than 25 years of experience in the Information Technology industry, Lane is committed to transitioning medical photography to a 3D world ensuring that clinically accurate soft tissue images of patients are economically available throughout the treatment cycle.

His keynote speech at the conference will regard the deploying of reconfigurable 3D scanning systems for complex anatomical measurements. The presentation will look into how this form of 3D scanning has evolved over the past eight years with examples of successful projects. It will also describe the method of use and workflow and conclude with a discussion of the economics of use.

Plenary Session – Invited Talk   Wednesday, 14:00, Room B1

Prof. Dr. Markus Gross – Director of Disney Research Zurich (Switzerland)

Disney Research Zurich is one of two external research laboratories that have recently been established by The Walt Disney Company and by its business units. The mission of the two laboratories is to conduct applied research in computer animation, geometric modeling, computational photography, image generation, video processing, artificial intelligence, robotics, and related fields.

The speech of Prof. Dr. Gross (director of Disney Research Zurich and head of the Computer Graphics Laboratory of ETH Zurich) will regard the current state of technology achieved at Disney Research on 3D scanning of facial geometry and appearance.

### Conference Exhibition   Tuesday 9:00 - Wednesday 15:00, Room B2/3

15 Exhibitors

In the parallel exhibition, 15 manufacturers of equipment will demonstrate live their 3D body scanning systems and software solutions.

Different scanning technologies will be represented: laser scanning, white light scanning, passive photogrammetry.

Different systems will be shown: full body scanners, face scanning systems, foot scanners, medical software solutions, virtual-try-on and textile software solutions.

The attendees will have to possibility to test live the systems and to meet and discuss directly with the manufacturers.
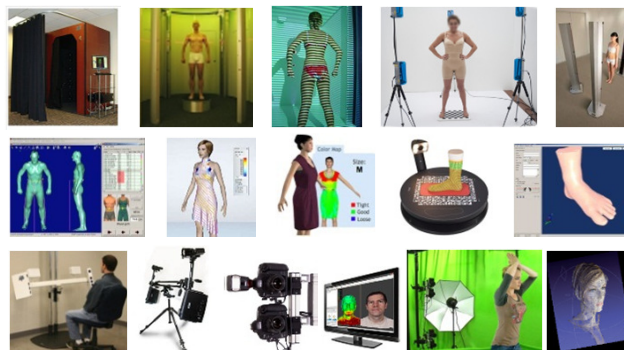
Welcome Cocktail   Tuesday, 18:00-19:00, Room B2/3

Dr. Giorgio Maric – Città di Lugano

Dr. Giorgio Maric, of the economic promotion office of the city of Lugano, will held an official welcome speech of the authorities of the hosting city. The welcome cocktail with local gastronomy products and wine of the region is kindly offered by the city of Lugano.

3dMD (USA) – www.3dmd.com
3dMD is the world leader in 3D body scanning for medical applications, with well more than 800 3D cameras worldwide. The ultra-fast high-precision 3D surface imaging devices and the powerful software application software will be demonstrated at the conference exhibition.

[TC]² (USA) – www.tc2.com
[TC]² is a world leader in 3D body scanning hardware and software, used in apparel, virtual fashion, health/fitness, medical, gaming, and others. At the exhibition, [TC]² will demonstrate its NX-16/LC-16 full body scanner, plus a Kinect scanning system with smartphone virtual fashion applications.

Human Solutions (Germany) – www.human-solutions.com
Human Solutions is a world market leader for body scanning and ergonomics simulation. Systems from Human Solutions are used by more than 300 companies worldwide. At the conference exhibition, Human Solutions will demonstrate full body scanning systems.

VITRONIC (Germany) – www.vitronic.com
VITRONIC, a world leading organization 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.

4DDynamics (Belgium) – www.4ddynamics.eu
4DDynamics is best known for its modular and configurable 3D white-light scanning system Mephisto. At the conference exhibition, 4DDynamics will demonstrate face and body scanners composed of multiple scanning pods.

Dimensional Imaging (UK) – www.di3d.com
Dimensional Imaging is a world-leading supplier of human body 3D&4D surface image capture and analysis solutions. Dimensional Imaging systems are based on passive stereo photogrammetry technology.

TELMAT Industrie (France) – www.symcad.com
TELMAT is a world leader in 3D body scanning and automated body measurement. The high-speed 3D digitization process SYMCAD has enabled to scan and measure more than 800'000 individuals nowadays. SYMCAD 3D body scanner will be presented at the exhibition.

Lectra (France) – www.lectra.com
Lectra is the world leader in integrated technology solutions for industries using textiles to manufacture their products. Lectra will demonstrate Modaris V7, the latest version of its apparel pattern-making and grading software solutions, now with fully-integrated 3D prototyping technology.

ELINVISION (Lithuania) – www.elinvision.com
ELINVISION designs and produces measuring and control devices, machine vision systems, 3D laser scanners, digital dental cameras and software. At the conference exhibition, ELINVISION will demonstrate its 3D foot scanner.

SpaceVision (Japan) – www.space-vision.jp
SpaceVision is a leading manufacturer of innovative 3D imaging solutions used in various application fields. At the conference exhibition, SpaceVision will demonstrate its portable, small, light, fast 3D full body scanner.

corpus.e (Germany) – www.corpus-e.com
corpus.e designs 3D imaging and 3D scanning systems. At the conference exhibition, corpus.e will demonstrate its 3D foot scanning and measurement system lightbeam, based on the patented MagicalSkin technology.

XYZ RGB (Canada) – www.xyzrgb.com
XYZ RGB is a world leading company offering 3D scanning services for the industrial and visual effect sectors. At the conference exhibition, XYZ RGB will demonstrate the revolutionary 3D live body scanning technology.

Orscan Technologies (Israel)
Orscan Technologies provides modular and configurable 3D software, hardware and designed solutions based on multi-view passive 3D sensing technology. At the exhibition, the smart 3D DBL-Vision module for multi-view 3D applications will be demonstrated

CAD Modelling Ergonomics (Italy) – www.cadmodelling.it
CAD Modelling Ergonomics is best known for producing tailor dummies, fit mannequins and anthropometric fashion dummies for fitting control. The portable body scanning system Body-ScanFit will be exhibited at the conference.

Styku / Tukatech (USA) – www.styku.com , www.tukatech.com
Styku has created the webs only virtual fitting room that truly simulates fit. Styku's VFR is designed to overcome the main barrier in on-line apparel sales: the inability to "try before I buy". Styku is revolutionizing the way consumers shop on-line and retailers sell on-line.

[TC]² (USA)   *Technical Session 4 and Exhibition*

[TC]² will announce, present, demonstrate three world premieres at the conference.

The new KX-16 body scanner will be pre-announced for availability in 2012.

The KX-16 is a new model of the market leading NX-16 and LC-16 full body scanners but with Primesense (Kinect and Xtion) sensors, at a new lower price point never seen for full body scanners.

In addition, [TC]² will be releasing a "reference design" package for the KX-16 for those who wish to assemble their own scan booths but utilize them with the [TC]² Body Measurement System software.

[TC]² will also launch and demonstrate live at the exhibition the "ImageTwin" body scan and avatar application site for smartphones, tablets and PC's. This site will now be universally available for all human body digitization data sources including manual measurement upload, 3D full body scan data, and home scan sensors such as Microsoft Kinect.

## XYZ RGB (Canada)   *Technical Session 4 and Exhibition*

XYZ RGB will showcase their new Scanner Killer BASE and PRO suite, including a sneak peak at an upcoming SK toolkit.

Additionally, the presentation by Helmut Kungl at Technical Session 4 will demonstrate real-world applications of their various 3D technologies spanning over a decades work in Hollywood feature films, Next Generation video game titles and industrial applications.

SpaceVision (Japan)   *Technical Session 10 and Exhibition*

SpaceVision will demonstrate at the exhibition the very new version of its portable, compact, light, fast 3D full body scanner. The technical details will be presented during Technical Session 10 "Body Scanning Systems".
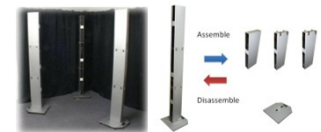
TELMAT Industrie (France)   *Technical Session 10 and Exhibition*

The new version of SYMCAD II body scanner will be shown at the conference exhibition. The autonomous, free-standing private booth and scanning system features automatic body positioning control and a synthetic voice system for helping the customer in the booth. The scanner also features the shortest acquisition time of 0.5 seconds for the entire body.
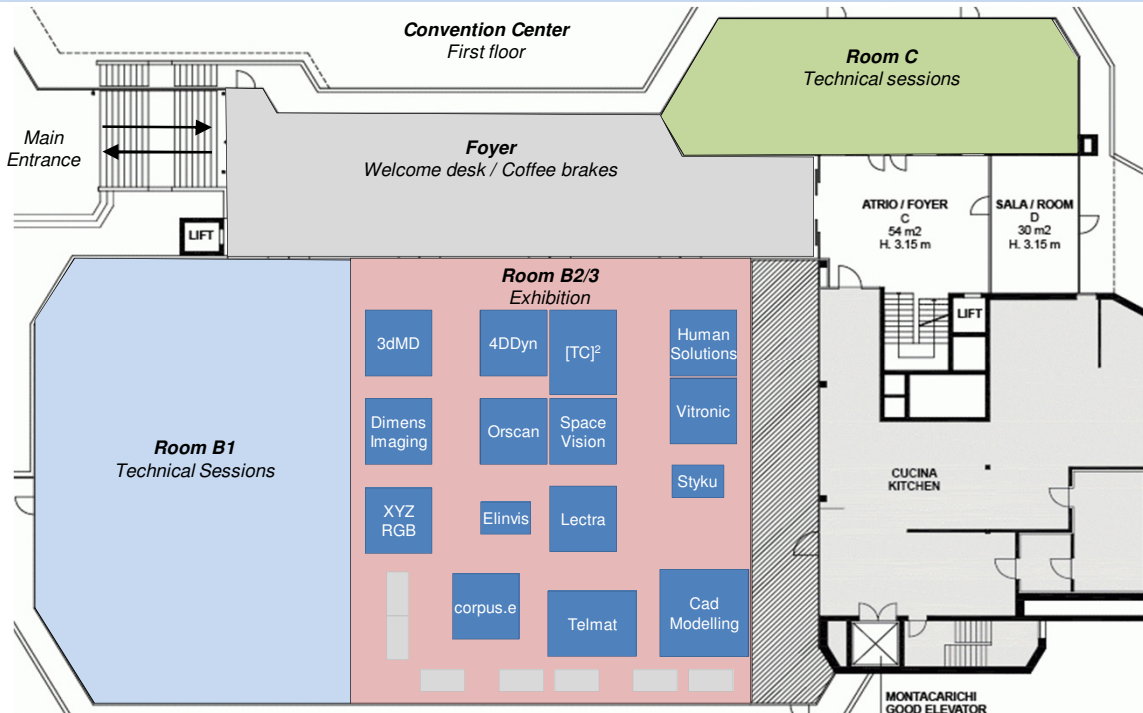
corpus.e (Germany)   *Technical Session 11*

The new modular concept of the new bodyscanner of corpus.e will be unveiled by Sven Munk at Technical Session 11 "Medical Scanning Systems II".

Plan of Convention Center and Exhibition

Convention Center — First floor

Room C — Technical sessions

Main Entrance

Foyer — Welcome desk / Coffee brakes

LIFT

ATRIO / FOYER C — 54 m2 H. 3.15 m

SALA / ROOM D — 30 m2 H. 3.15 m

Room B2/3 — Exhibition

Room B1 — Technical Sessions

3dMD · 4DDyn · [TC]² · Human Solutions

Dimens Imaging · Orscan · Space Vision · Vitronic

Styku

XYZ RGB · Elinvis · Lectra

corpus.e · Telmat · Cad Modelling

CUCINA KITCHEN

MONTACARICHI GOOD ELEVATOR

Conference Organizer

3D BODY SCANNING TECHNOLOGIES 2012

Asian Workshop on
3D Body Scanning Technologies
Tokyo, Japan, 17-18 April 2012

Organized by HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo , www.3dbodyscanning.org/A2012

Asian Workshop on 3D Body Scanning Technologies

Dates: **Venue:**

17-18 April 2012   AIST Tokyo Waterfront - Tokyo, Japan

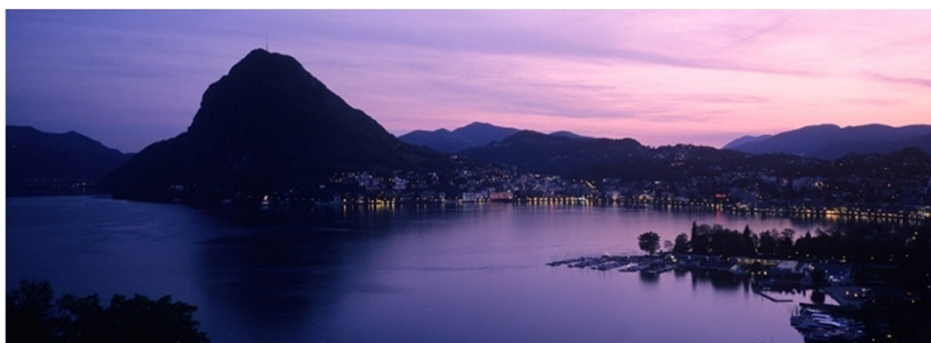**Important deadlines:**

- Abstracts due: Nov. 30, 2011
- Author notification: Dec. 31, 2011
- Manuscript deadline: Feb. 29, 2012

Website: www.3dbodyscanning.org/A2012

3rd International Conference on
3D Body Scanning Technologies
Lugano, Switzerland, 16-17 October 2012

Organized by HOMETRICA CONSULTING - Dr. Nicola D'Apuzzo , www.3dbodyscanning.org/2012

3rd Int. Conference on 3D Body Scanning Technologies

Dates: **Venue:**

16-17 October 2012   Convention Center - Lugano, Switzerland

Important deadlines:

- Abstracts due: April 30, 2012
- Author notification: June 30, 2012
- Manuscript deadline: August 31, 2012