Conference program

International Conference on
3D Body Scanning Technologies
Lugano, Switzerland, 19-20 October 2010

Organized by HOMETRICA CONSULTING - Dr. Nicola D’Apuzzo www.3dbodyscanning.org

Conference description
The conference topics cover relevant sectors of 3D body scanning, as digital anthropometry, face and body scanning for medicine, body and foot scanning for fashion and apparel, body size measurement campaigns and development of 3D body scanning systems.

Conference site Lugano - Swiss Mediterranean Style!
Lugano is situated in Ticino, an alpine canton in the South of Switzerland. This quiet, compact city of spacious parks lies on the shores of beautiful Lake Lugano, in an unspoilt landscape of lush hills and wild, remote valleys. With Mediterranean flair, Lugano offers all the advantages of a world-class city, combined with the cachet of a small town. Lugano is extremely easy to reach by public or private transportation; it is situated 70 km from Milan Malpensa airport connected with a shuttle service and 200 km from Zurich airport with connections by rail.

Conference venue:
The conference will take place at the Lugano convention centre which is centrally located, right next to the splendid municipal park, directly on the lake shore and within walking distance of many hotels.

Tourist information and accommodation:
Lugano offers a wide range of accommodation. A list of selected hotels is available at the conference’s website. Further information may be obtained from Lugano tourism at: www.lugano-tourism.ch

Conference Fees
Participant: 550 CHF, Presenting author: 450 CHF, Student: 350 CHF
The conference fees include admission to all the technical sessions and the accompanying exhibition, coffee breaks and a copy of the proceedings.

More information www.3dbodyscanning.org/2010
**Tuesday 19th October 2010**

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<td>08:00-09:00</td>
<td>Registration – Welcome desk</td>
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<tr>
<td>09:00-10:00</td>
<td>Opening Session – Room B1</td>
<td>Room B1</td>
<td>Nicola D'APUZZO, Hometrica Consulting, Switzerland</td>
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<td></td>
<td>Welcome speech from the conference director</td>
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<td>Ticino: platform for international companies</td>
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<td>Luca NONELLA, Canton Ticino, Switzerland (#58)</td>
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<td></td>
<td>Relating linear and volumetric variables through body scanning to improve human interfaces in space</td>
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<td>Sarah MARGERUM, NASA Johnson Space Center, USA (#15)</td>
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<td>10:00-10:30</td>
<td>Coffee Break – Foyer</td>
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<tr>
<td>10:30-12:30</td>
<td>Technical Session 1: Medical scanning systems – Room C</td>
<td>Room C</td>
<td>Chair: Prof. S. Bergé University of Nijmegen (NL)</td>
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<td>Application of stereo photogrammetry in medicine</td>
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<td>Chris LANE, 3dMD, USA (#60)</td>
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<td>Innovative 3D spine form analysis and parametrization of scoliosis, lordosis, kyphosis and malposition with TERGOSKOP</td>
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<td>Lothar PAUL, GFal, Germany (#03)</td>
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<td>3D digitizing device applied in evaluation and simulation of postoperative trunk surface shape in adolescent idiopathic scoliosis</td>
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<td>Li SONG, Creaform, Canada (#52)</td>
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<td></td>
<td>Optical 3D in vivo skin imaging for topographical quantitative assessment of cosmetic and medical treatments</td>
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<td>Christian BENDEROTH, GFM, Germany (#29)</td>
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<td></td>
<td>3D Face measurement and scanning using digital close range photogrammetry: evaluation of different solutions and experimental approaches</td>
<td></td>
<td>Luigi M. GALANTUCCI, Politecnico di Bari, Italy (#34)</td>
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<td>10:30-12:30</td>
<td>Technical Session 2: Body scanning for apparel I – Room B1</td>
<td>Room B1</td>
<td>Chair: Prof. S. Ashdown Cornell University (USA)</td>
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<td></td>
<td>Keynote presentation: Perfect garment fitting using 3D body scanning</td>
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<td>Ran Machtinger, OptiTex, Israel (#40)</td>
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<td>The solution of a clothing mass customization program</td>
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<td>Jocelyn BELLEMARE, Université du Québec à Montréal, Canada (#43)</td>
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<td>Three dimensional (3D) body scanner for apparel shoppers would make commerce easier</td>
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<td>Marie-Eve FAUST, Philadelphia University, USA (#53)</td>
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<td>Made-to-measure garments in 3-D</td>
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<td>Jochen BALZULAT, Human Solutions, Germany (#61)</td>
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<td>Wolfgang SEEBAUER, Odermark, Germany</td>
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<td>12:30-13:30</td>
<td>Lunch Break – Restaurants, cafes and bars in the surroundings of the convention center</td>
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### Technical Session 3: Medical applications I – Room C
Chair: C. Lane
3dMD (USA)

- **Keynote presentation:**
  Three-dimensional surface imaging - an objective approach of quality assurance in facial plastic, reconstructive and aesthetic surgery?
  Laszlo KOVACS, Computer Aided Plastic Surgery, TU München, Germany (#22,23)

- **Computer-assisted intuitive breast surgery planning using three-dimensional surface imaging**
  Michael THALI, VIRTOPSY, University of Bern, Switzerland (#51)

- **Optimization of three-dimensional imaging of the breast region with 3-D laser scanners**
  Maximilian EDER, Computer Aided Plastic Surgery, TU München, Germany (#21,24)

### Technical Session 4: Body scanning for apparel II – Room B1
Chair: Dr. M. Fralix
TC² (USA)

- **Apparel: from reality to virtual reality**
  Jean-Marc SURVILLE, Lectra, France (#41)

- **Research in body/garment relationships**
  Susan P. ASHDOWN, Cornell University, USA (#16)

- **Quantitative analysis of the air gap between the skin and the clothing**
  Joanna FRACKIEWICZ-KACZMAREK, EMPA, Switzerland (#38)

- **Quantitative analysis of breast shapes**
  Rong ZHENG, Beijing Institute of Fashion Technology, P.R. China (#46)

### Coffee Break – Foyer
15:00-15:30

### Technical Session 5: Foot scanning – Room C
Chair: Prof. M. Black
Brown University (USA)

- **ERTLRENZ | Experiences from scaling up a shop-in-shop system for mass customized high performance sports shoes**
  Dirk RUTSCHMANN, corpus.e, Germany (#07)

- **Recommendation system for sizing of children’s footwear**
  Ales JURCA, UCS, Slovenia (#49)

- **Design criteria for combat boots based on the evaluation and analysis of human factors**
  Laura PÉREZ, Universidad de los Andes, Colombia (#47)

- **Laser based three-dimensional measurement of entire foot shape during motion**
  Matija JEZERŠEK, University of Ljubljana, Slovenia (#28)

### Technical Session 6: Full body scanning – Room B1
Chair: L. Paul
GFaI (D)

- **3-D Photonic scanning for health research and practice**
  Jonathan WELLS, UCL Institute of Child Health, UK (#06)

- **The body volume index (BVI): using 3D scanners to measure and predict obesity**
  Richard BARNES, Select Research, UK (#13)

- **An overview of 3D body scanning applications in Thailand**
  Supiya CHAROENSIRIWIATH, NECTEC, Thailand (#27)

- **Mass implementation of 3D body scanners for human body measurement for applications in apparel, fashion, anthropometrics, health, fitness and entertainment**
  David BRUNER, [TC²](#55)

- **Achieving medical-grade quality 3D body scans in a high-throughput environment**
  Chris LANE, 3dMD, USA (#67)

### Break
17:00-17:30

### Welcome cocktail – Foyer/Room B3

- **Welcome speech from the hosting city**
  Giorgio MARIC, Città di Lugano, Switzerland
### Technical Session 7: Medical applications II – Room C

**Chair:** Prof. L. Galantucci  
Politecnico di Bari (I)

- **08:30-10:30**  
  3D optical body scanning: application to forensic medicine and to maxillofacial reconstruction  
  Franco DOCCHIO, University of Brescia, Italy (#33)

- **Breast volume measurements using 3-D surface imaging: a standardized validation of the introduced method and a comparison to classical approaches**  
  Stefan RAITH, Computer Aided Plastic Surgery, TU München, Germany (#12)

- 3D-sensors for the all-around measurement of teeth, skin, face, and body  
  Gerd HAEUSLER, 3D-Shape / University Erlangen-Nuremberg, Germany (#63)

- **Objective 3-D breast symmetry evaluation for clinical application using three-dimensional laser light surface imaging**  
  Fee ARMBRECHT, Computer Aided Plastic Surgery, TU München, Germany (#26)

- **3D and 4D surface image capture using passive stereo photogrammetry**  
  Colin URQUHART, Dimensional Imaging, UK (#66)

### Technical Session 8: Body scanning systems – Room B1

**Chair:** L. Paul  
GFaI (D)

- **08:30-10:30**  
  A portable 3D body scanner  
  Hideto KAMESHIMA, Spacevision, Japan (#09)

- **Optical measurement of preselected individual body parameters, 3D curves and belt position for garment manufacturing and sales with BodyFit 3D**  
  Lars KUNZE, GFaI, Germany (#02)

- **Challenges and solutions in high resolution human body scanning**  
  Aivaras GRAUZINIS, 4D Dynamics, Belgium (#45)

- **Body-ScanFit system**  
  Leonardo FRANCESCHI, Cad Modelling Ergonomics, Italy (#56)

- **New age human body digitizing: easy, portable, quick**  
  Sergey SUHOVEY, Artec Group, USA (#62)

### Coffee Break – Foyer

- **10:30-11:00**

### Technical Session 9: Face scanning – Room C

**Chair:** Prof. G. Haeusler  
University Erlangen-Nuremberg (D)

- **11:00-12:30**  
  A computer-aided technique for planning plastic surgery based on 3D face scans: preliminary results  
  Matteo DE SIMONE, Politecnico di Torino, Italy (#54)

- **A simple and standardized method for analyzing head and face morphology of a population sample**  
  Yohann KELKEL, Decathlon-Oxylane research, France (#44)

- **An open platform for 3D face recognition algorithms**  
  Boutiba BEN AMOR, Université Lille 1, France (#48)

- **Three-dimensional features for facial gestures simulation**  
  Javier FINAT, University of Valladolid, Spain (#19)

### Technical Session 10: Digital anthropometry – Room B1

**Chair:** Prof. A. Giachetti  
University of Verona (I)

- **11:00-12:30**  
  Keynote presentation: HOAXY body shapes and fashion formula  
  Jean-Marc SURVILLE, Lectra, France (#39)

- **3D digital anthropometry using the BodySCAN**  
  Carlo ZANCANARO, University of Verona, Italy (#05)

- **An introduction to BoSS-21 and a framework to build 3D surface of human models using anthropometric constrains**  
  Shi YIN, Visimage Systems, Canada (#14)

- **iSize - Implementation of international anthropometric survey results for worldwide sizing and fit optimization in the apparel industry**  
  Anke RISSIEK, Human Solutions, Germany (#64)

### Lunch Break – Restaurants, cafes and bars in the surroundings of the convention center

- **12:30-13:30**
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<th>Room</th>
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<td>13:30-15:00</td>
<td>Technical Session 11: Scanning technologies</td>
<td>Room C</td>
<td>Prof. G. Forlani</td>
<td>Scanning technologies - various topics related to scanning technologies.</td>
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<td>University of Parma (I)</td>
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<td>Helmut KUNGL, XYZ RGB, Canada (#59)</td>
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<td>“Flying triangulation” – acquiring the 360° topography of the human body on the fly</td>
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<td>Svenja ETTL, University Erlangen-Nuremberg, Germany (#42)</td>
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<td>Photogrammetric 3D body scanner for low cost textile mass customization</td>
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<td>Gianluiga PERCOCO, Politecnico di Bari, Italy (#10)</td>
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<td>Design of a passive system for human body reconstruction in the fashion industry</td>
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<td>Carla NARDINOCCHI, Università degli Studi di Roma “Sapienza”, Italy (#30)</td>
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<td>13:30-15:00</td>
<td>Technical Session 12: Anthropometric survey</td>
<td>Room B1</td>
<td>J.M. Surville</td>
<td>Anthropometric survey for various populations and surveys.</td>
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<td>Lectra (F)</td>
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<td>Sandra ALEMANYA, Universidad Politécnica de Valencia, Spain (#11)</td>
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<td>Analysis of 3D body scanning for body measurement</td>
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<td>extraction considering the cultural context</td>
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<td>Arzu VURUSKAN, İzmir University of Economics, Turkey (#20)</td>
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<td>UK national sizing survey - SizeUK</td>
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<td>Jennifer BOUGOURD, University College London, UK (#32)</td>
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<td>DOROTHY mass foot measurement campaign</td>
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<td>Ales JURCA, UCS, Slovenia (#31)</td>
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<td>15:00-15:30</td>
<td>Coffee Break</td>
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<td>15:30-17:00</td>
<td>Technical Session 13: Processing of scan data</td>
<td>Room C</td>
<td>Prof. F. Docchio</td>
<td>Processing of scan data - various topics related to scan data processing.</td>
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<td>University of Brescia (I)</td>
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<td>Andrea GIACHETTI, University of Verona, Italy (#08)</td>
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<td>Geometrical processing of 3D body scanner data for anthropometric applications</td>
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<td>Viktoria KLEBAN, GFaI, Germany (#04)</td>
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<td>3D modeling and size adaptation of individual human body avatars from parametric measurement data for 3D construction and analysis tasks</td>
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<td>Jochen PENNE, PMDTechnologies, Germany (#25)</td>
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<td>Touchless detailed 3D scan of human hand anatomy using time-of-flight cameras</td>
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<td>Hakan KARABORK, Selcuk University, Turkey (#17)</td>
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<td>An examination of the differences in the angles created in the lower and upper extremities during tennis serves by male and female players</td>
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<td>15:30-17:00</td>
<td>Technical Session 14: Body scanning for apparel III</td>
<td>Room B1</td>
<td>Dr. J. Balzulat</td>
<td>Body scanning for apparel III - various topics related to apparel scanning.</td>
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<td>Human Solutions (D)</td>
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<td>Commercialising size survey data</td>
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<td>Andrew CRAWFORD, Sizemic, UK (#37)</td>
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<td>Size UK – The UK national size survey</td>
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<td>Philip DELAMORE, University of the Arts London, UK (#36)</td>
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<td>Everything in 3D: developing the fashion digital studio</td>
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<td>David MONTANO, Universidad de los Andes, Colombia (#50)</td>
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<td>Apparel-oriented anthropometric database of Colombian military personnel</td>
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<td>Inga DABOLINA, Riga Technical University, Latvia (#57)</td>
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<td>17:00-17:30</td>
<td>Closing session</td>
<td>Room B1</td>
<td>Nicola D’APUZZO</td>
<td>Closing speech and announcements for 3D Body 2011</td>
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<td>Hometrica Consulting, Switzerland</td>
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<td>Size UK – The UK national size survey</td>
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NASA’s Anthropometry and Biomechanics Facility (USA)

The first technical speech of the conference will be held at the opening session by Sarah Margerum of the Anthropometry and Biomechanics Facility of NASA Johnson Space Center, Houston (USA). NASA’s Anthropometric and Biomechanics Facility (ABF) has shifted from using traditional linear anthropometry to exploring the capabilities of 3D scanning to provide volumetric anthropometric solutions for design. The key goals are to improve the human-system performance and develop new processes to aid in the design and evaluation of space systems. Four case studies will be presented that illustrate the improvement of human interfaces in space by using 3D body scanning technologies, in particular, regarding spacesuit, helmet and seats.

Keynote presentation for apparel, textile and fashion  
Technical Session 2, Tuesday, 10:30, Room B1

Ran Machtinger – President and CEO of OptiTex Ltd. (Israel)

Ran Machtinger is the president and CEO of OptiTex Ltd. (Israel). Mr. Machtinger founded OptiTex Ltd in 1988 and he has taken the firm to its current status as the CAD leader in the cut-fabrics industries, evolving revolutionary technologies that are being implemented by major designers, manufacturer and educational institutions worldwide. The keynote speech will regard a few customers’ case studies where joint implementations of OptiTex Virtual-Try-On solutions and 3D full body scanners from [TC]² and Human-Solutions are being used.

Keynote presentation for digital anthropometry  
Technical Session 10, Wednesday, 11:00, Room B1

Jean-Marc Surville – LECTRA (France)

Jean-Marc Surville is an industrial engineer at LECTRA (France). He has participated at various national and international projects on 3D body scanning. He has a large practical experience in the treatment and processing of 3D scan data for the extraction of anthropometric information. His keynote speech at the conference will regard the processing of 3D body scan data in different postures and the treatment of 3D scan data for the classification of the body shape into H.O.A.X.Y classes.

Keynote presentation for medical applications  
Technical Session 3, Tuesday, 13:30, Room C

Laszlo Kovacs – Head of CAPS (Germany)

PD. Dr Laszlo Kovacs from the Department of Plastic Surgery and Hand Surgery of the Technical University Müenchen in Germany initiated the research group Computer Aided Plastic Surgery (CAPS). The scientific focus of CAPS evaluates innovative technologies for the 3-D assessment, digitalization and visualisation of the human body surface and soft tissues to implement computer aided surgery (CAS) into the field of aesthetic, plastic and reconstructive surgery. His keynote speech at the conference will regard the use of 3-D surface imaging technologies in facial plastic, reconstructive, aesthetic surgery and in computer assisted breast surgery.

Welcome cocktail  
Tuesday, 17:30-19:00, Foyer/Room B3

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.
Exhibitors (Premium Sponsors) – Room B3

**[TC]² (USA) – www.tc2.com**
[TC]² is a world leader in 3D body scanning hardware and software. At the conference exhibition, [TC]² will demonstrate the unique capabilities of the 3D scanning system NX-16.

**GFaI e.V. (Germany) – www.gfai.de**
GFaI is a non-profit research association. At the conference exhibition, its department for 3D data processing will present the mobile full body scanning system BodyFit3D Cabin.

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

**Copernico (Switzerland) – www.copernico.ch**
Copernico is a marketing initiative, created by the Finance and Economics Department of Canton Ticino, which aims to improve the region’s visibility abroad and illustrate investment opportunities available for new business initiatives.

**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 the new released 3D full body scanner composed of 4 scanning pods.

**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 new 3D live body scanning technology.

**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.

**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.

**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.
**Other sponsors**

**Hometrica Consulting - Dr. Nicola D’Apuzzo (Switzerland) – www.hometrica.ch**
Hometrica Consulting is a leading international consulting firm in the sectors of 3D human body scanning and 3D human body measurement.

**OptiTex Ltd. (Israel) – www.optitex.com**
OptiTex is the world leading company for Virtual-Try-On solutions. The latest developments on real-time virtual draping technologies will be shown at the conference.

**TOPCON Corporation (Japan) – www.topcon.com**
TOPCON is a world leader in positioning equipment and eye care instruments. Among other products, TOPCON produces the photogrammetric 3D surface scanning system ImageMaster.

**Artec Group Inc. (USA) – www.artec-group.com**
Artec Group develops and sells extremely versatile 3D scanners. Artec 3D scanners work in real time, which makes them easy to use and customize for an array of applications.

**IMAGINA (Monaco) – www.imagina.mc**
Imagina is the European leading event promoting 3D & multi modal technologies and applications in widened market sectors such as industries, architecture, territory, media entertainment, medicine. Imagina will be held in Monaco from 1st to 3rd of February, 2011.

**3D-Shape GmbH (Germany) – www.3d-shape.com**
3D-Shape develops and markets optical 3D sensors for non-contact three-dimensional shape measurement and software for processing, analyzing and editing the 3D measurement data.

**ViALUX GmbH (Germany) – www.vialux.de**
ViALUX GmbH (Germany) develops and markets optical 3D sensors powered by DLP technology. ViALUX 3D Scanners make 3D scanning as easy as taking a photograph.

**Supporters**

**Città di Lugano (Switzerland) – www.lugano.ch**
The city of Lugano is supporting the conference. A welcome cocktail with local gastronomy products and wine of the region is hosted by the economic promotion office of Lugano.

**Lugano Turismo (Switzerland) – www.lugano-tourism.ch**
The tourist organization of Lugano is supporting the conference. The tourist office is taking care of the hotel reservations for attendees of the conference and provide any tourist information regarding Lugano and surrounding areas.

**Rapelli SA (Switzerland) – www.rapelli.com**
Rapelli is supporting the conference by offering local gastronomy products (salumi, cured meat products) for the welcome cocktail. The products of Rapelli strongly reflect the tradition and taste from Ticino since 1929.

**LATI (Switzerland) – www.lati.ch**
LATI is supporting the conference by offering fresh, soft and semi hard cheese for the welcome cocktail. Established more than 90 years ago as an association of milk producers of Ticino, LATI is focusing now on cheese making.
Lugano convention center

Lunch Break: Restaurants, cafes and bars in the surroundings of the convention center
<table>
<thead>
<tr>
<th>Time</th>
<th>Tuesday 19th October 2010</th>
<th>Wednesday 20th October 2010</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Registration</td>
<td>Exhibition Setup</td>
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<td>Welcome desk</td>
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<tr>
<td>09:00</td>
<td>Opening Session – Room B1</td>
<td>Technical Session 7</td>
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<td></td>
<td>HC, C. Ticino, NASA</td>
<td>Medical applications II</td>
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<td>10:00</td>
<td>Coffee Break</td>
<td>Technical Session 8</td>
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<td>Body scanning Systems</td>
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<td>Room B1</td>
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<tr>
<td>11:00</td>
<td>Technical Session 1</td>
<td>Technical Session 9</td>
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<td>Medical scanning Systems</td>
<td>Face scanning</td>
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<td>Room C</td>
<td>Room C</td>
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<td>12:00</td>
<td>Lunch Break</td>
<td>Technical Session 10</td>
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<td></td>
<td>* Digital Anthropometry</td>
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<td>13:00</td>
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<td>14:00</td>
<td>Technical Session 3</td>
<td>Technical Session 11</td>
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<td>* Medical applications I</td>
<td>Scanning Technologies</td>
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<td>Room C</td>
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<tr>
<td>15:00</td>
<td>Coffee Break</td>
<td>Technical Session 12</td>
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<td>Anthropometric Survey</td>
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<td>16:00</td>
<td>Technical Session 5</td>
<td>Technical Session 13</td>
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<td>Foot scanning</td>
<td>Processing of scan data</td>
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<td>Room C</td>
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<tr>
<td>17:00</td>
<td>Break</td>
<td>Technical Session 14</td>
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<td>Body scanning for apparel III</td>
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<td>Room B1</td>
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<tr>
<td>18:00</td>
<td>Welcome cocktail</td>
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<td>Foyer / Room B3</td>
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</tbody>
</table>

* session with keynote presentation

Conference sponsors and supporters:

- Optitex Ltd.
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- Human Solutions GmbH
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- 3D-Shape GmbH
- 3dMD Inc.

Conference office:

HOMETRICA CONSULTING - Dr. Nicola D’Apuzzo
Culmannstrasse 59, CH-8006 Zurich, Switzerland
www.hometrica.ch  info@hometrica.ch

Conference website: www.3dbodyscanning.org
Conference email: info@3dbodyscanning.org
Conference phone: +41.44.362.3297
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

Workshop description
The workshop topics cover relevant sectors of 3D body scanning, as digital anthropometry, face and body scanning for medicine, body and foot scanning for fashion and apparel, body size measurement campaigns and development of 3D body scanning systems. This workshop is part of the main international conference held in Lugano and has a special focus on the Asian market.

Workshop Site
Tokyo (東京) is a city that never ceases to amaze. Since the start of the Edo period in the 17th century, Tokyo has been the vibrant heart of the nation. With a history spanning 400 years, it boasts tourist sites both traditional and ultra modern. The Tokyo prefecture is part of the world’s most populous metropolitan area with 35 to 39 million people and the world’s largest metropolitan economy.

Workshop venue:
The workshop will take place at the facilities of AIST Tokyo Waterfront in Odaiba district. Odaiba is one of Tokyo’s most interesting tourist spots and the highly popular shopping and entertainment district.

Tourist information and accommodation:
Touristic information about Tokyo and surrounding areas, as well as, hotels and other accommodations in Tokyo may be searched and obtained from the web site of the Japan tourism organization at: www.jnto.go.jp

Call for Papers – Submission of Abstracts
If you would like to present a paper at the workshop, please send an extended abstract (250-500 words and images) by e-mail to the following address: asia@3dbodyscanning.org

Important dates:
- Abstracts due: Nov. 30, 2010
- Author notification: Dec. 31, 2010
- Manuscript deadline: Feb. 28, 2011

More Information www.3dbodyscanning.org/asia