



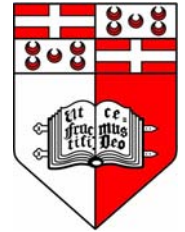
International Conference on Information Technologies in Landscape Architecture

“Digital Landscape Architecture 2009”

May 21 - 23, 2009

Anhalt University of Applied Sciences in cooperation with the LE:NOTRE working group Information Technology

**10th International Conference on Information Technologies
in Landscape Architecture
Anhalt University of Applied Sciences
in cooperation with the
Faculty for the Built Environment, University of Malta**



DIGITAL LANDSCAPE ARCHITECTURE 2009 **21- 23 May, Valletta, Malta**

WEDNESDAY, May 20

18:00 -22:00 *Registration, technical set up for speakers, and Welcome in conference hotel lobby,
Hotel [Phoenicia](http://www.phoenciamalta.com), Valletta, Malta <http://www.phoenciamalta.com>*

THURSDAY, May 21

BALLROOM

08:00 *Conference Registration, Coffee*

09:00 **Opening Addresses**

Hon. Dr. Austin Gatt, Minister of Infrastructure, Transport and Communication (req.)

Prof. Dr. Juanito Camilleri, Rector, University of Malta (req.)

Prof. Einar Kretzler, Vice President, Anhalt University of Applied Sciences

09:30 **Keynote: Prof. Dr. Jürgen Döllner**, Hasso Plattner Institute, University of Potsdam, Germany:
Digital Landscape and City Models as Computational Tools

10:30 *Coffee*

11:00 **Session 1: 3D, 4D and VR Landscape Visualization**

Moderation: Prof. Einar Kretzler, Anhalt University of Applied Sciences, Germany

Jörg Rekitke, National University of Singapore and Philip Paar Lenne3D GmbH, Germany:

Dirty Imagery - The Challenge of Inconvenient Reality in 3D Landscape Representations

Björn Zehner, Helmholtz Zentrum für Umweltforschung – UFZ, Germany:

Interactive Wind Park Planning in a Visualization Center - Giving Control to the User

Ruediger Mach, Mach:Idee, Ing.-Buero R. Mach, Germany:

Serious Gaming? – Raising Awareness for Catastrophes and Retention Measures

Juri Engel and Jürgen Döllner, Hasso-Plattner-Institute at University of Potsdam, Germany:

Approaches Toward 3D Visual Analysis for Digital Landscapes and Its Applications

12:30-14:00 *Lunch*

- 13:00-13:45 *Optional: Workshop-Lunch I: Virtual Cities*
- 14:00 **Keynote: Joe Fenech Conti**, CEO datatrak, Malta and Italy:
GIS as Business Opportunity in the Mediterranean
- Session 2: Digital Landscape Design for the Mediterranean**
Moderation: Prof. Alex Torpiano, Dean of the Faculty for the Built Environment, University of Malta
- Saviour Formosa, Carol Agius, Stephen Conchin, Antonello Rizzo Naudi, Ashley Farrugia, Carol Valentino, Malta Environment & Planning Authority MEPA, Malta:
Does visualisation of digital landscapes serve itself? How topographic, planning, environmental and other thematic information is brought together and disseminated via Web GIS
- Ramon Gauci, Perit, Malta:
Responsive Landscape
- José Miguel Lameiras and Paulo Farinha Marques, Faculty of Sciences - University of Porto, Portugal:
Digital Terrain Modeling in Landscape Design
- 15:30 *Coffee*
- 16:00 **Keynote: Prof. Dr. Marc Bonazountas**, National Technical University of Athens, Greece & **Dr. Giacomo Martirano**, Epsilon Italia srl:
Medisolae-3D: Mediterranean Islands SDI & 3D Aerial Web-Navigation
- Session 3: Landscape Information Models LIMs**
Moderation: Moderation: Carol Agius, MEPA, Malta
- Sándor Jombach, Corvinus University of Budapest, Hungary:
VILACORDEM – Special Processing of Orthophotographs in Landscape Change Visualisation
- Matthias Pietsch, Marcel Heins, Erich Buhmann and Christian Schultze, Anhalt University of Applied Sciences / Hochschule Anhalt (FH):
Object-based, Conceptual Landscape Models for Standardizing Landscape Planning Procedures in the Context of Road Planning Projects
- Jörg Schaller, Cristina Mattos, ESRI, Germany:
ArcGIS ModelBuilder Applications for Landscape Development Planning in the Region of Munich
- 17:30 *Panel Discussion with all speakers,*
Moderation: Prof. Alex Torpiano, Dean of the Faculty for the Built Environment, University of Malta
- 17:45 *Coffee*
- 18:00 **Keynote: Prof. Rainer Schmidt**, Beuth Hochschule (TFH) Berlin, Germany:
Contemporary Landscape Architecture (also see special announcement of **open lecture**)
- 20:30 *Conference Reception and Buffet Dinner*

Conference Partners: Anhalt University of Applied Sciences, Dep. 1: Agriculture in cooperation with the Faculty for the Built Environment, University of Malta and

- 09:00 **Address by**
Hon. Dr. Chris Said, Parliamentary Secretary for Public Dialogue and Information:
Sustainable Development of Malta
- Keynote: Prof. Dr. Michael Flaxman, MIT - Massachusetts Institute of Technology, USA:**
Fundamental Issues in GeoDesign
- Session 4: Compact Presentations: Innovation in Landscape Architecture -**
“Five Minute Madness”
Moderation: Vincent Cassar, Architect, KTP, Malta
- Pawel Ozimek, Agnieszka Ozimek and Piotr Labeledz, Cracow University of Technology, Poland:
Digital Analyses of Wind Farms Visual Aspects in South-east Poland
- Dusan Stupar, University of Ljubljana, Biotechnical Faculty, Department of Landscape
Architecture, Slovenia: **Evolutionary Design Approach: Izola project**
- Jing Wu, Huanzhong University of Science and Technology, China, Jing Wu and Lei Pei, Wuhan
University of Science and Technology, China:
Seeking Standards for Public Parks in Middle-sized and Small Cities
- Daniel Langenhaun, Erich Buhmann, Matthias Pietsch and Santosh Chougule, Anhalt University of
Applied Sciences / Hochschule Anhalt (FH) and Philip Paar Lenne3D GmbH:
Virtualizing Boathouses in Dwejra, Malta for Access Through WebGIS Applications
- 10:30 *Coffee*
- 11:00 **Session 5: Knowledge-Based Landscape Architecture**
Moderation: Prof. Joachim Kieferle, FH Wiesbaden, Germany
- Piotr Labeledz, Agnieszka Ozimek and Pawel Ozimek, Cracow University of Technology, Poland:
The Box-counting Dimension in Landscape Photographs Analyses
- Saviour Formosa, University of Malta / Malta Environment & Planning Authority MEPA, Malta:
**Maltese Criminological Landscapes: A Spatio-Temporal case where Physical and Social
worlds meet**
- Nadja Penko Seidl, Alenka Cof, Lidija Breskvar Žaucer and Ivan Marušič, University of Ljubljana,
Biotechnical Faculty, Department of Landscape Architecture, Slovenia: **The Problems of Large
Protected Areas in the Process of Planning; A Case Study in the Municipality of Ig, Slovenia**
- Lidija Breskvar Žaucer, Biotechnical faculty, Blaž Zupan, Faculty of Computer and Information
Science and Mojca Golobič, Biotechnical faculty, University of Ljubljana, Slovenia:
Formal Interpretation of Preference Maps: A Data Mining Approach
- 12:30-14:00 *Lunch*
- 13:00-13:45 *Optional: Workshop-Lunch II: Landscape Visualisation with Lenné3D*

Conference Sponsors:

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Lenné3D
Digital Botany / Virtual Landscapes
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SYNERGIS

- 14:00 **Session 6: 3D-Work Method in Landscape Design**
 Moderation: Prof. Dr. Marc Bonazountas, Greece:
- Christian Stock, Cooperative Research Centre for Spatial Information, Ian Bishop, Subhash Sharma and Haohui Chen, The University of Melbourne, Australia:
SIEVE - Virtual Landscapes as a Planning and Collaboration Tool
- Wolfgang Höhl, FH JOANNEUM - University of Applied Sciences, Austria:
Interactive Environments with Open-Source Software
- Dirk Stendel, TU-Berlin, Germany:
Evaluation of Autostereoscopic Visualization of Landscape
- Ed Morgan, Lewis Gill, Eckart Lange and Daniela Romano, University of Sheffield, United Kingdom:
Rapid Prototyping of Urban River Corridors Using 3D Interactive, Real-time Visualisations
- 15:30 *Coffee*
- 16:00 **Session 7: Teaching Digital Landscape Architecture**
 Moderation: Prof. Dr. Michael Flaxman, MIT - Massachusetts Institute of Technology, USA.
- David Watson, University of Greenwich, United Kingdom:
Are landscape programmes meeting the challenge of educating the second generation of digital landscape architects?
- Chris Speed, Edinburgh College of Art, United Kingdom
Designing for Invisible Landscapes
- Christopher Marlow, Martha Hunt, Meg Calkins and John Motloch, Ball State University, USA:
Design Education in Transition
- Ursula Gabriele Nothhelfer, SNOW Landschaftsarchitekten, Germany:
Interactive Learning Beyond Knowledge based Landscape Architecture –
- Christopher Marlow, Ball State University, United States:
Games & Learning in Landscape Architecture
- 17:45 *Panel Discussion, closing of sessions for the day, Moderation: Prof. Erich Buhmann, Anhalt Univ.*
- 18:00 *Valletta Grand Harbour Tour, free evening -Valletta Waterfront...
 20:30 option for gathering at rooftop terrace of Hotel Castille*

SATURDAY, May 23

- 9:00 **Excursion: Landscape Architecture and Maltese Heritage**
 in cooperation with the University of Malta, Faculty for the Built Environment and MITC/GHRC(rep.)
 Bus departure from Hotel Phoenicia, Valletta, Malta (see separate programme)

Conference fees 2009

3 days conference fee :	<input type="checkbox"/> €350	<input type="checkbox"/> reduced: €250	<input type="checkbox"/> first degree student: €60
2 days conference fee:	<input type="checkbox"/> €250	<input type="checkbox"/> reduced: €140	<input type="checkbox"/> first degree student: €50
1 day conference fee:	<input type="checkbox"/> €140	<input type="checkbox"/> reduced: € 80	<input type="checkbox"/> first degree student: €30

(The reduced fee applies to participants from institutions of the following European countries based on the GNP: Bulgaria, Croatia, Czech Republic, Estonia, Former Yugoslav Republic of Macedonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovakia, Slovenia and Turkey and African countries.)

Your conference fee includes the proceedings "Digital Landscape Architecture 2009" with all contributions. Beverages and lunch also included. **Please register as early as possible for the limited places.**

Registration: > www.landschaftsinformatik.de > 10th LA Conference > Registration

Conference Scientific Director: Prof. Erich Buhmann, Hochschule Anhalt (FH) / Anhalt University of Applied Sciences - Department 1: Agriculture, Strenzfelder Allee 28, D-06406 Bernburg, Germany. Tel. +49-3471-355-1116, Fax +49-3471-355-9-1116, - check for conference updates at www.landschaftsinformatik.de
 email contact for conference guests: la@loel.hs-anhalt.de
 email contact for authors: atelier.bernburg@t-online.de

Conference System hosted by Prof. Joachim Kieferle, Rhein-Main Hochschule (FH), Wiesbaden, Germany