

Day 1 _____ December 12, 2007

08.00 -- Registration

09.15 -- Opening session – chair: Peter van Oosterom - location: Senaatszaal

Keynote speech I

Maps Get Real, Digital Maps evolving from mathematical line graphs to virtual reality models

Rob van Essen - Vice President Strategic Research and Development, TeleAtlas

10.30 -- coffee break

11.00 -- Presentation & Discussion session 1 - chair: Andrew Frank - location: Senaatszaal

Requirements and Applications I

Navigable Space in 3D City Models for Pedestrians

Aidan Slingsby and Jonathan Raper – City University London

Towards 3D Spatial Data Infrastructures (3D-SDI) based on Open Standards – experiences, results and future issues

Jens Basanow, Pascal Neis, Steffen Neubauer, Arne Schilling and Alexander Zipf – University of Applied Sciences FH Mainz

Re-using laser scanner data in applications on 3D topography

Sander Oude Elberink – ITC Enschede

12.30 -- lunch break

13.30 -- Working Groups session 1

WG I Requirements/Applications - chair: Andrew Frank (TU Wien) - location: Senaatszaal

WG II Acquisition - chair: George Vosselman (ITC Enschede) - location: Commissiekamer 2

WG III Modelling - chair: Chris Gold (University of Glamorgan) - Location: Grote Vergaderzaal OTB, Jaffalaan 9

WG IV Analysis - chair: Jiyeong Lee (University of Seoul) - location: Commissiekamer 1

WG V Visualisation - chair: Marc van Kreveld (Utrecht University) - Location: Commissiekamer 4

15.00 -- coffee break

15.30 -- Presentation & Discussion session 2 – chair: Chris Gold - Location: Senaatszaal

Modelling I

First implementation results and open issues on the Poincaré-TEN data structure

Friso Penninga and Peter van Oosterom – Delft University of Technology

Drainage reality in terrains with higher-order Delaunay triangulations

Ahmad Biniaz and Gholamhossein Dastghaibiyfard – Shiraz University

Surface Reconstruction from Contour Lines by Least Squared-error Approximation using Tensor-Product Cubic B-splines

Shyamalee Mukherji – Indian Institute of Technology

17.00 -- end

17.15 -- departure to city hall

17.30 -- reception in Delft city hall

Day 2 _____ December 13, 2007

09.00 -- Presentation & Discussion session 3 - chair: George Vosselman - Location: Senaatszaal

Acquisition

Using 3D Laserscanners and Image Recognition for Volume-based Single-Tree-Delineation and –Parametrization for 3D-GIS-Applications

Jürgen Rossmann and Arno Bücken – RWTH Aachen

Automatic building modeling from terrestrial laser scanning

Shi Pu – ITC Enschede

3D City Modelling from LIDAR data

Rebecca Tse, Christopher Gold and Dave Kidner – University of Glamorgan

10.30 -- coffee break

11.00 -- Working Groups session 2

WG I Requirements/Applications - chair: Andrew Frank (TU Wien) - location: Senaatszaal

WG II Acquisition - chair: George Vosselman (ITC Enschede) - location: Commissiekamer 2

WG III Modelling - chair: Chris Gold (University of Glamorgan) - location: Grote Vergaderzaal OTB, Jaffalaan 9

WG IV Analysis - chair: Jiyeong Lee (University of Seoul) - location: Commissiekamer 1

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12.30 -- lunch break

13.30 -- Presentation & Discussion session 4 - chair: Marc van Kreveld - location: Senaatszaal

Visualisation

Techniques for Generalizing Building Geometry of Complex Virtual 3D City Models

Tassilo Glander and Jürgen Dollner – University of Potsdam

Automatic Generation of Residential Areas using Geo-Demographics

Paul Richmond and Daniela Romano – University of Sheffield

Additional presentation:

Using 3D Open Web Services for a better collaborative response to disaster management

Alain Lapierre, Paul Cote and Stéphane Côté – Bentley Systems

15.00 -- coffee break

15.30 -- Presentation & Discussion session 5 - chair: Peter Woodsford - location: Senaatszaal

Modelling II

Modeling and Managing Topology in 3D Geoinformation Systems

Adreas Thomsen, Martin Breunig, Edgar Butwilowski and Björn Broscheit – University of Osnabrück

Mathematically provable correct implementation of integrated 2D and 3D representations

Rodney Thompson and Peter van Oosterom – Delft University of Technology

3D Solids and Their Management in DBMS

Chen Tet Khuan and Alias Abdul-Rahman – Universiti Teknologi Malaysia

Implementation alternatives for a 3D Integrated Model

Ludvig Engard and Sisi Zlatanova – Delft University of Technology

17.30 -- end

between 17.30 - 18.30 -- shuttle bus to dinner

18.30 -- Conference dinner at country estate 'Te Werve', Rijswijk

09.30 -- Presentation & Discussion session 6 - chair: Jonathan Raper - location: Senaatszaal

Requirements & Applications II

Using Raster DTM for Dike Modelling

Tobias Krüger and Gotthard Meinel – Leibniz Institut für ökologische Raumentwicklung

Development of a Web Geological Feature Server (WGFS) for sharing and querying of 3D objects

Jacynthe Pouliot, Thierry Badard, Etienne Desgagné, Karine Bédard and Vincent Thomas – Laval University

10.30 -- coffee break

11.00 -- Presentation & Discussion session 7 - chair: Jiyeong Lee - location: Senaatszaal

Analysis

Serving CityGML via Web Feature Services in the OGC Web Services – Phase 4 Testbed

Peter Woodsford – Snowflake Software

Towards space-based modelling of continuous spatial phenomena: example of noise

Jantien Stoter, Henk de Kluijver and Vinaykumar Kurakula – ITC Enschede

The Kinetic 3D Voronoi Diagram: A Tool for Simulating Environmental Processes

Hugo Ledoux – Delft University of Technology

12.30 -- lunch break

13.30 -- Keynote speech II - location : Senaatszaal

On Valid and Invalid Three-Dimensional Geometries

Baris M. Kazar, Ravi Kothuri, Peter van Oosterom and Siva Ravada - Oracle corporation

14.30 -- coffee break

15.00 -- Closing session – chair: Sisi Zlatanova - location : Senaatszaal

Additional presentation:

AHN-2: Towards a nationwide hi-res DTM coverage as a basis for water safety management

Stefan Flos - Stuurgroep AHN (Steering Committee DEM-NL)

Working group presentations

17.00 -- end

Working groups

WG I Requirements & Applications

chair: Andrew Frank – TU Wien

WG II Acquisition

chair: George Vosselman – ITC Enschede

WG III Modelling

chair: Chris Gold - Glamorgan University

WG IV Analysis

chair: Jiyeong Lee - University of Seoul, South Korea

WG V Visualisation

chair: Marc van Kreveld - Utrecht University