Personal Record

Short Overview

Markus M. Hedorfer

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Personal Data

Birth Place:	Karlsruhe, FR Germany
Birth Date:	2nd January 1965
Residence:	Venezia–Mestre, Italy
Marital Status:	married
Citizenship:	German
Tax-Code:	Italy–HDR MKS 65A02 Z112N
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Scholar and Professional Carreer

Chronology

1984   Attainment of the German general matriculation standard at the Municipal Secondary School (Städtisches Gymnasium) of Hechingen, FR Germany. Matriculation at the Venice University of Architecture (Istituto Universitario di Architettura di Venezia, IUAV) at the Graduation Course in *Urban and Regional Planning (Pianificazione Territoriale e Urbanistica)* for the academic year 1984–1985.

1986   Six–week's practical course at the Regionalverband (Region) of Neckar–Alb at Tübingen, FR Germany.

1994   Completion of the programme of studies with its focal point on *Regional Planning (Pianificazione Territoriale)*.

1996   Graduation (Italian doctor's degree) with full marks and honours. Title of the Graduation: *The Venice Town Council Geographic Information Sys-*

tem — Issues of Methodology in the User Requirement Analysis (URA) and of Computer–Assisted Urban Management. The tutor of the thesis was Francesco Gosen, the co–tutor Alberto Giordano.

Winner of a one year's research scholarship within the project "Optimisation of Base Cartography Supporting Items Related to the Venice Lagoon System". Renunciation of the scholarship.

1997   Inclusion to the list of "Conservators of the Subject" ("cultori della materia") within the Graduation Course in Urban, Regional, and Environmental Planning at the Venice University of Architecture in the field of *Methods and Techniques in Analysis, Representation, and Assessment.*

1998   Winner of a scholarship for the collaboration to research activities for the years 1999-2000 within the programme "Knowledge–Building Processes, Urban and Regional Information Systems, Plan–, Project–, and Decision–Making" at the Department of Urban Planning of the Venice University of Architecture.

2000   Co–tutor (with Francesco Sbetti) of the graduation thesis in Urban, Regional, and Environmental Planning entitled "Expecting Places — An Analysis on Disuse Potential in the Province of Treviso, Italy" by Patrizia Del Rosso and Roberto Volpato. Tutor: Domenico Patassini, Venice University of Architecture.

2001   Authorised Dealer for the *TNT* GIS–products made by MicroImages, Inc., Lincoln, Nebraska, USA.

2002   Member of the National Association of Town, Regional, and Environmental Planners.

2003   Member of the association AM/FM/GIS (Automated Mapping / Facilities Management / Geographic Information Systems) Italia.

2004   Convention with the IUAV University at Venice in order to carry out practical training and vocational orientation courses for university students at the Hedorfer Office.

State law examination for the admission to practise the profession of *regional planner* ("pianificatore territoriale") passed on the first attempt with 88 of 100 points.

Contract lecturer at the IUAV University at Venice for the academic year 2004–2005.

Languages

German	Native language.
Italian	Perfect active and passive performance of written and spoken language.
English	Good performance, frequently used in work.
French	Good performance, especially spoken language.
Spanish	Modest performance.
Dutch	Reading capability.
. . .	Available for learning additional languages.

Information Technology

Operating systems   DOS, Microsoft Windows (all versions), UNIX (HP–UX, DEC OS, IBM–AIX, Linux), and X–Windows, Apple–Macintosh.

Programming languages   DOS batch–programming, UNIX shell–programming, C/C++, Pascal, Microsoft Windows API, Perl, PHP, Tcl/Tk, Java, Basic, QBasic for Microsoft DOS, Visual Basic, macro languages of TNT (SML), Arc/Info (AML), Arcview (Avenue), AutoCAD (scripting and AutoLisp), Mini-CAD/VectorWorks, MapInfo and products of Microsoft Office. C/C++ API of the TNT Products and Arc/Info. Hypertext Mark–up Language (HTML) and JavaScript.

End–user applications   Standard office applications (word processing, electronic typesetting, mainly LaTeX, spreadsheet and other DBMSs, publishing, CAD) and geospatial information management software, especially MicroImages (TNT), ESRI (Arc/Info e Arcview), and Autodesk (AutoCAD Map) products. Also SPRING by the Brazilian INPE, CartaLinx by Clark Labs, MapInfo, MicroStation Geographics by Bentley, Intergraph (MGE, I/RAS B and C).

Professional Experiences

Commissions

2000–2001   *Numeric encoding of the urban planning instruments and house numbering*,   Comune di (Township of) Duino–Aurisina, Province of Trieste.

2000–2001   *Preliminary studies for the Fauna and Hunting Plan*,   Provincia di Venezia (Province of Venice).

1997–1999   *GIS for the management of the zoning plan general revision*,   Comune di Venezia (Venice Township).

Consulting

2003   *Programming activities within a survey project of paved surfaces*,   Büro für Umwelttechnologie GmbH (BFU, Office for Environmental Technologies Ltd), Gelnhausen / GIS Team, Gießen, Germany.

2002   *Encoding of contour lines in the Watt*,   Amt für ländliche Räume (ALR, Office for Rural Areas), Husum / GIS Team, Gießen, Germany.

2001–2002   *Semi–automatised correction of airphotos*,   Amt für ländliche Räume (ALR, Office for Rural Areas), Husum / GIS Team, Gießen, Germany.

1999–2002   *Organisation and visualisation of local trade data*,   Comune di (Township of) Loria, Province of Treviso / Venice University of Architecture.

1999–2000   *Planning–related spatial analysis and numeric base and thematic cartography*,   Ville de (City of) Bambari, Central African Republic / Venice University of Architecture.

1998–1999 and 2001–2002   *GIS for the management of the zoning plan general revision*,   Comune di (Township of) Castelfranco Veneto, Province of Treviso / Franco Posocco Architect, Venezia–Mestre.

1998   *Planning–related spatial analysis and corresponding cartography*,   Comune di (Township of) Villorba, Province of Treviso / Franco Posocco Architect, Venezia–Mestre.

1996   *Environmental numeric cartography and corresponding data base*,   THETIS Consortium.

1994–1996 *Participation to the OPEN Project: Information requirements analysis and development of a GIS prototype for Porto Marghera,* Comune di Venezia (Venice Township) / Consorzio "Venezia Ricerche" (Consortium "Research at Venice") / Venice University of Architecture.

1994–1995 *Data input and GIS counselling at the Provincial planning office,* Provincia di Venezia (Province of Venice) / Consorzio "Venezia Ricerche" (Consortium "Research at Venice").

Didactics

2004–2005 *Contract lecturer within the course of studies in Geographical Information Systems,* IUAV University at Venice / NETTUNO Consortium.

2003 *Teaching within a vocation–oriented master course,* IUAV University at Venice.

2000 *Teaching within a vocational training course,* ISFID Venezia–Marghera.

1998–1999 *Teaching within a vocational training course,* ENAIP Friuli–Venezia Giulia (Friuli–Venetia Julia).

1998 *University students' training,* CEPU Venezia–Mestre.

1997–1998 *Didactic collaboration,* Venice University of Architecture.

Single Lessons

Contextual knowledge generated by a decision support system for brownfield development: The case of Porto Marghera (Venice, Italy) (with Domenico Patassini), School for Advanced Studies in Venice Foundation, 1st April 2004.

Codifica elettronica di strumenti urbanistici: Castelfranco Veneto e Duino–Aurisina / Devin–Nabrežina, University of Trieste, 11th NOvember 2003.

Risk and Planning, Venice International University, 24th September 2003.

Sistemi informativi geografici: Una panoramica, Interdisciplinary Local Government Research Centre (CISEL), Rimini, 22nd–24th April and 15th–17th December 1998.

University Research

2001–2002 *ELGIRA: A knowledge–support procedure for Porto Marghera brownfields at Venice, Italy,* IUAV University at Venice / Lagoon Research Consortium.

1999–2000 *The Venice Metropolitan Area: Infrastructure systems and central places,* Venice University of Architecture.

1996–1997 and 1998–2000 *Insertion of planning instruments into different GISs,* Venice University of Architecture.

1996–1998 *Optimisation of base cartography supporting items related to the Venice lagoon system,* Venice University of Architecture.

Practical Training

1986 *Landscape Plan*, Regionalverband (Region) Neckar–Alb, Tübingen, FR Germany.

Publications and Contributions

Publications

Contextual Knowledge Generated by a Decision Support System for Brownfield Development: The Case of Porto Marghera (Venice, Italy) (with Domenico Patassini, Paola Cossettini, Enrico De Polignol, Chiara Paneghetti, and Enrico Rinaldi),   In course of publication in *Beyond Benefit Cost Analysis — Accounting for Non-Market Values in Planning Evaluation*, edited by Donald Miller and Domenico Patassini, Ashgate, Aldershot, UK 2004.

Duino–Aurisina / Devin–Nabrežina — Il GIS bilingue per il PRGC / Dvojezični GIS za SORN,   In course of publication in *Archi @ Media*.

Castelfranco Veneto — Il GIS per la Costruzione del Nuovo PRG,   In "Archi @ Media" (2/2001 (April)).

Il Nuovo Piano Regolatore per Mestre — Struttura del Piano e Codifica Numerica,   In "Archi @ Media" (1/2000 (March)).

Informazioni Urbanistiche nei GIS,   In "Procedure Digitali per la Pianificazione Ambientale", edited by Igor Jogan and Domenico Patassini, 165–201, Il Rostro, Milan, Italy 2000.

Usefulness of GIS in Strategic Planning,   In "Marittima Workshop — G.I.S. and Strategic Planning", edited by Giuseppe Longhi, 53–70, Venice University of Architecture, Department of Urban Planning, October 1999.

Il GIS per la Gestione degli Strumenti Urbanistici del Comune di Venezia (with Francesco Contò, Massimo Mazzanti, and Paolo Barbieri),   In "Geomedia" (1/1998 (February)). The same article, with few changes, has also been published on the conference proceedings of the itinerant conference *GIS Itinera 1997* and is referred to the contributions of Hedorfer, Contò, and Mazzanti held at the Venice (31st October 1997) and Perugia (18th November 1997) editions.

Le monografie — 1. Speciale GIS (with Pier Francesco Ricci),   supplement to the review "l'ufficio tecnico", (3, March 1997). Chapters: Geographical Information Systems: An Overview For Everybody*; GIS Software*; Urban and Regional Planning*. Reprint in the numbers 1–6/1998 and 1/1999 of the journal "Geomedia" as a column entitled *The GIS Tutorial**.

Requisiti informativi e gestione informatica degli strumenti urbanistici: il SIT del Comune di Venezia,   In "Cronache Ca' Tron" (internal journal of the Venice University of Architecture) (8/1996). Summary of the Graduation Thesis.

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*All the titles (not the related documents) provided with an asterisk have been translated from their original version into the English language.

Minor Contributions

Beyond Benefit Cost Analysis — Accounting for Non-Market Values in Planning Evaluation edited by Donald Miller and Domenico Patassini. Ashgate, Aldershot, UK 2004 (in course of publication). Technical editing of the book.

Villici industrianti commercianti — Le radici storiche e culturali di una vicenda di sviluppo locale. Il caso di Bessica, Villa dell'Alto Trevigiano by Augusto Cusinato. Franco Angeli, Milan, Italy 2003. See "Organisation and visualisation of local trade data" at page 3.

Software Development and Documentation

Italian version of the TNT Products Italian linguistic adaptation (translation, localisation, and maintenance) of the GIS software product familiy "TNT Products", produced by MicroImages, Inc., Lincoln, Nebraska, USA. Available since version 6.30 released in April 2000..

Prodotti TNT — L'analisi geospaziale diventa facile Italian translation of the English language publication *TNT Products — Geospatial Analysis Made Easy*, edited and published by MicroImages, Inc., Lincoln, Nebraska, USA 2000 (2002), 28 pages.

Cartografia numerica: Creazione di carte topografiche Italian translation of the English language publication *Digital Cartography: Making Topographic Maps* by Randall B. Smith, MicroImages, Inc., Lincoln, Nebraska, USA 2002 (2002), 12 pages.