

Books

J. Hřebíček, R. Denzer, G. Schimak, T. Pitner (eds.), Environmental Software Systems - Computer Science for Environmental Protection, IFIP Advances in Information and Communication Technology 507, 12th IFIP WG5.11 International Symposium, ISESS 2017, Zadar, Croatia, May 10-12, 2017, Proceedings, Springer, 2017, ISBN 978-3-319-89935-0, DOI 10.1007/978-3-319-89935-0

R. Denzer, R.M. Argent, G. Schimak, J. Hrebicek, Environmental Software Systems - Infrastructures, Services and Applications, IFIP Advances in Information and Communication Technology 448, 11th IFIP WG5.11 International Symposium, ISESS 2015, Melbourne, Australia, March 25-27, 2015, Proceedings, Springer, 2015, ISBN 978-3-319-15993-5, DOI 10.1007/978-3-319-15994-2

R. Denzer (ed.), Environmental Software Systems, Volume 8, originally 2009, Second Edition, December 2014, doi: 10.13140/2.1.3561.8888

R. Denzer (ed.), Environmental Software Systems, Volume 6 - Environmental Risk Assessment Systems, International Federation for Information Processing, originally 2005, Second Edition, March 2015, doi: 10.13140/RG.2.1.1304.7840

R. Denzer (ed.), Environmental Software Systems Volume 5 - Environmental Knowledge and Information Systems, Second Edition, International Federation for Information Processing, originally 2003, Second Edition, December 2014, doi: 10.13140/2.1.3683.4887

R. Denzer (ed.), Environmental Software Systems, Volume 7 - Dimensions of Environmental Informatics, Second Edition, International Federation for Information Processing, originally 2007, Second Edition December 2014, doi: 10.13140/2.1.3773.6001

R. Denzer (ed.), Environmental Software Systems Volume 4 - Environmental Information and Indicators, Second Edition, International Federation for Information Processing, originally 2001, Second Edition December 2014, doi: 10.13140/2.1.3519.6481

J. Hřebíček, G. Schimak, R. Denzer (Eds.), Environmental Software Systems Vol. 9, Frameworks of eEnvironment, 9th IFIP WG 5.11 International Symposium, ISESS 2011, Brno, Czech Republic, IFIP Advances in Information and Communication Technology 359, ISBN 978-3-642-22284-9, <http://www.springerlink.com/content/978-3-642-22284-9#section=915417&page=1>

G. Schimak, D. A. Swayne, N.T. Quinn, R. Denzer (eds.), Environmental Software Systems Vol. 5 - Environmental Knowledge and Information Systems, International Federation for Information Processing, 2003, ISBN 3 901882 16 2

D. A. Swayne, R. Denzer, G. Schimak (eds.), Environmental Software Systems Vol. 4 - Environmental Information and Indicators, International Federation for Information Processing, 2001, ISBN 3 901882 14 6

R. Denzer, D. A. Swayne, M. Purvis, G. Schimak (eds.), Environmental Software Systems Vol. 3 - Environmental Information and Environmental Decision Support, Kluwer Academic Publishers, 2000, ISBN 0 7923 7832 6

R. Denzer, D. A. Swayne, G. Schimak (eds.), Environmental Software Systems Vol. 2, Chapman & Hall, 1998, ISBN 0 412 81740 3, Springer, ISBN 978-1475751628

R. Denzer, B. Tabatabai, G. Schimak, H. Mayer (eds.), Visualisierung von Umweltdaten 1996, Metropolis, 1996, ISBN 3 89518 130 7

R. Denzer, D. Russell, G. Schimak (eds.), Environmental Software Systems, Chapman & Hall, 1996, ISBN 0 412 73730 2, Springer, ISBN 978-1475751604

R. Denzer, R. Güttler, H. Deutsch (eds.), Visualisierung von Umweltdaten 1994, Metropolis, 1994, ISBN 3 89518 032 7

R. Denzer, W. Geiger, R. Güttler (eds.), 1. Workshop Integration von Umweltdaten, KfK Journal 5187, September 1993, ISSN 0303-4003

R. Denzer, G. Schimak, W. Haas (eds.), Visualisierung von Umweltdaten 1992, Informatik Aktuell, Springer, 1993, ISBN 3 540 56835 2

R. Denzer, R. Güttler, R. Grützner (eds.), Visualisierung von Umweltdaten 1991, Informatik Aktuell, Springer, 1992, ISBN 3 540 55624 9

R. Denzer, H. Hagen, K.-H. Kutschke (eds.), Visualisierung von Umweltdaten, Informatik-Fachberichte 274, Springer, 1991, ISBN 3 540 54189 6

Journals and Indexed Publications

R. Denzer, T. Kalmes, U. Gauer, A Software Package for Automated Partitioning of Catchments, IFIP Advances in Information and Communication Technology 448, pp. 467-474, Springer, 2015

S. Schlobinski, G. Zuccaro, M. Scholl, D. Meiers, R. Denzer, S. Guarino, W. Engelbach, K. Taveter, S. Frysinger, Decision Making and Strategic Planning for Disaster Preparedness with a Multi-Criteria-Analysis Decision Support System, IFIP Advances in Information and Communication Technology 448, pp. 178-186, Springer, 2015

P. Dihe, R. Denzer, S. Schlobinski, An Information Model for a Water Information Platform, IFIP Advances in Information and Communication Technology 448, pp. 91-101, Springer, 2015

R. Denzer, Topics in Environmental Software Systems, Environmental Software Systems - Infrastructures, Services and Applications, IFIP Advances in Information and Communication Technology 448, pp. 26-43, Springer, 2015

R. Denzer, R.M. Argent, G. Schimak, J. Hrebicek, Preface, Environmental Software Systems - Infrastructures, Services and Applications, IFIP Advances in Information and Communication Technology 448, pp. V - IX, Springer, 2015

T. Hell, E. Kohlhas, S. Schlobinski, R. Denzer, R. Güttler, An Information System Supporting WFD Reporting, Environmental Software Systems Vol. 10 - Fostering Information Sharing, IFIP Advances in Information and Communication Technology 413, pp. 403-413, Springer, 2013

R. Denzer, S. Schlobinski, L. Gidhagen, T. Hell, How to Build Integrated Climate Change Enabled EDSS, Environmental Software Systems Vol. 10 - Fostering Information Sharing, IFIP Advances in Information and Communication Technology 413, pp. 464-471, Springer, 2013

P. Dihe, S. Frysinger, R. Güttler, S. Schlobinski, L. Petronzio, R. Denzer, S. Nestic, T. Lobo, G. Schimak, J. Hrebíček, M. Donatelli, An Architecture for the Semantic Enhancement of Environmental Resources, Environmental Software Systems Vol. 9 - Frameworks of eEnvironment, Springer Advances in Information and Communication Technology 359, pp. 372-384, 2011

R. Denzer, F. Torres-Bejarano, T. Hell, S. Frysinger, S. Schlobinski, R. Güttler, H. Ramírez, An Environmental Decision Support System for Water Issues in the Oil Industry, Environmental Software Systems Vol. 9 - Frameworks of eEnvironment, Springer Advances in Information and Communication Technology 359, pp. 208-216, 2011

S. Schlobinski, R. Denzer, S. Frysinger, R. Güttler, T. Hell, Vision and Requirements of Scenario-Driven Environmental Decision Support Systems Supporting Automation for End Users, Environmental Software Systems Vol. 9 - Frameworks of eEnvironment, pp. 51 - 63, Springer Advances in Information and Communication Technology 359, 2011

J. Hrebíček, G. Schimak, R. Denzer, ISESS++, Preface, Environmental Software Systems Vol. 9 - Frameworks of eEnvironment, pp. V - XIV, Springer Advances in Information and Communication Technology 359, 2011

J. Douglas, Th. Usländer, G. Schimak, J. Esteban, R. Denzer, An Open Distributed Architecture for Sensor Networks for Risk Management, Journal Sensors 2008, 8, pp. 1755-1773

R. Denzer, R. Güttler, G. Schimak, Th. Usländer, M. Atkinson, ORCHESTRA - Development of an Open Architecture for Risk Management in Europe, Environmental Software Systems Vol. 6, IFIP Conference Series, 2005

R. Denzer, C. Riparbelli, M. Villa, R. Güttler, GIMMI: Geographic Information and Mathematical Models Inter-operability, Environmental Modelling & Software, Volume 20, Issue 12, December 2005, pp. 1478-1485

R. Denzer, Generic integration of environmental decision support systems – state-of-the-art, Environmental Modelling & Software, Volume 20, Issue 10, October 2005, pp. 1217-1223

J. Williams, R. Denzer, C. Harris, Project i-MARQ: Application of Data Fusion Techniques within Environmental Decision Support Systems, Environmental Software Systems Vol. 5 - Environmental Knowledge and Information Systems, pp. 359-368, International Federation for Information Processing, 2003, ISBN 3-901882-16-2

R. Denzer, A Computing Program for Scientists and Engineers - What is the Core of Computing?, in: L. Cassel., R. Reis (eds.): Informatics curricula and teaching methods, Kluwer, 2003, pp. 69-75, IFIP Series

R. Denzer, Integrating Heterogeneous Systems using Meta Information Networks, Environmental Modelling and Software, Vol. 16 No. 5, July 2001, pp. 427-431, Elsevier Science

- R. Güttler, R. Denzer, P. Houy, User Interfaces for Environmental Information Systems – Interactive Maps or Catalog Structures? Or Both?, *Advances in Environmental Research* Vol. 5, Issue 4, November 2001, pp. 345-350, Elsevier Science
- R. Denzer, R. Güttler, D.A. Swayne, Integrated Spatial Decision Support, *Environmental Software Systems* Vol. 4 (2001) – Environmental Information and Indicators, pp. 227-235, IFIP Conference Series
- R. Denzer, Enviromatics – Environmental Information and Decision Support, *Environmental Software Systems* Vol. 3 (2000) – Environmental Information and Decision Support, pp. 3-6, Kluwer Academic Publishers
- D. A. Swayne, R. Denzer, Teaching EIS Development – The EU Canada Curriculum on Environmental Informatics, *Environmental Software Systems* Vol. 3 (2000) – Environmental Information and Decision Support , pp. 152-156, Kluwer Academic Publishers
- D. A. Swayne, R. Denzer et al., Environmental Decision Support Systems – Exactly what are they? *Environmental Software Systems* Vol. 3 (2000) – Environmental Information and Decision Support , pp. 257-268, Kluwer Academic Publishers
- R. Güttler, R. Denzer, P. Houy, An EIS Called WuNDa - The Wuppertal Navigation and Data Management System, *Environmental Software Systems* Vol. 3 (2000) – Environmental Information and Decision Support, pp. 114-121, Kluwer Academic Publishers
- R. Denzer, R. Güttler, P. Houy, TEMSIS-Consortium, TEMSIS - a Transnational System for Public Information and Environmental Decision Support, *Environmental Modelling and Software* Vol. 15 No. 3, March 2000, pp. 235-243, Elsevier Science
- R. Denzer, *Environmental Software Systems*, *Encyclopedia of Computer Science and Technology*, Vol. 40(25), pp 51-61, invited contribution, Marcel Dekker Publishers, 1999
- J. Burgard, R. Güttler, R. Denzer and TEMSIS Consortium, Environmental Problems - a Transnational Solution Supporting Cooperation of all relevant Social Forces, *Environmental Software Systems* Vol. 2 (1998), pp. 175-181, Chapman & Hall
- K. B. McDonald, D.A. Swayne, R. Denzer, A. Hess, D. Jessberger, The World Wide Web as a Two Way Information Service, *Environmental Software Systems* Vol. 2 (1998), pp. 80-86, Chapman & Hall
- D.D. Cowan, C. Mayfield, R. Denzer, A Design Exercise For A World Wide Web Based Graduate Course In Environmental Information Systems, *Journal of Computing and Information*, Vol. 2, No. 1, 1996, pp. 1296 - 1303
- R. Denzer, R. Güttler, Requirements of Meta Information Models for the Environmental Domain, *Journal of Computing and Information*, Vol. 2, No. 1, 1996, pp. 1288 - 1295
- R. Güttler, R. Denzer, SIRIUS - Saarbrücken Information Retrieval and Interchange Utility Set, in: R. Denzer et al. (eds.), *Environmental Software Systems* Vol. 1 (1996), pp. 219-228, Chapman & Hall
- R. Denzer, Visualisierungstechniken im Umweltschutz, *Ökosystemanalyse und Umweltforschung* 2(1995) – Regionaler Naturhaushalt: Bewertung und Nutzungspotential, Akademie der Wissenschaften und der Literatur, Mainz pp. 313-322, Gustav Fischer Verlag

R. Denzer, R. Güttler, An Overview on Integration Problems in Environmental Information Systems, Journal of Computing and Information, Vol. 1, No.2, November 1995, pp. 1112-1120, ISSN 1201-8511

R. Denzer, R. Güttler, Strukturvariable verteilte Informationssysteme, Aachener Beiträge zur Informatik 7 (1994), pp. 148-153, Verlag der Augustinus-Buchhandlung, ISBN 3-86073-143-4

R. Denzer, Konzeptionelle Ansätze für offene Umweltinformationssysteme, KfK-Journal 5187, September 1993, pp. 88-97, ISSN 0303-4003

R. Denzer, Graphics for Environmental Decision Making, IEEE Computer Graphics & Applications (IEEE CG&A), March 1993, pp. 58-64

Peer Reviewed Articles in Books

Th. Usländer, R. Denzer, 15章 : 環境リスク管理情報システムの要件とオープンアーキテクチャ, in: B. van der Walle (ed.), 緊急事態のための情報システム, japanese translation, translation supervisor: Yuko Murayama, publisher in Japan: Kin-Dai-Kagaku-Sha, 近代科学社,, 2014, pp. 355-382, Japanese translation of: Requirements and Open Architecture of Environmental Risk Management Information Systems, translator: Masanori Takagi

F. M. Torres-Bejarano, H. Ramírez-Leon H., R. Denzer, Un sistema de evaluacion integral ambiental para los rios, el caso del rio Coatzacoalcos, Mexico, in: H. Ramírez-León, J.M. Navarro-Pineda, H.A. Barrios-Pina (eds.), Dinamica ambiental de ecosistemas acuáticos costeros - elementos y ejemplos prácticos de diagnóstico. Instituto Politecnico Nacional, 2012, pp 487-511

Th. Usländer, R. Denzer, Requirements and Open Architecture of Environmental Risk Management Information Systems, in: B. van der Walle (ed.), Information Systems for Emergency Management, M. E. Sharpe Publishers, ISBN 978-0-7656-2134-4, pp. 344-368, 2010

R. Denzer, R. Güttler, Integration von Umweltdaten, in: B. Page, L.M. Hilty (eds.), Handbuch der Informatik, Umweltinformatik, Oldenbourg, 1994, 2. Auflage, 1995, ISBN 978-3486227239

R. Denzer, H. Mayer, W. Haas, Visualization of Environmental Data, in: N. Avouris, B. Page, Environmental Informatics - Methodology and Applications, Kluwer Academic Publishers, 1994, pp. 75-92, ISBN 9-789-048145386

R. Denzer, H. Mayer, W. Haas, Visualisierung von Umweltdaten, in: B. Page, L.M. Hilty (eds.), Handbuch der Informatik, Umweltinformatik, Oldenbourg, 1994, pp. 143-156, ISBN 3-486-22723-8

R. Denzer, R. Güttler, Integration von Umweltdaten, in: B. Page, L.M. Hilty (eds.), Handbuch der Informatik, Umweltinformatik, pp. 227-240, Oldenbourg, 1994, ISBN 3-486-22723-8

R. Denzer, Application of Visualization in Environmental Protection, in: H. Hagen, H. Müller, G.M. Nielson, Focus on Scientific Visualization, pp. 73-82, Springer, 1993, ISBN 3-540-54940-4, 0-387-54940-4, 9-780-387549408

Reviewed Conference Proceedings Papers

R. Denzer, G. Sutschet, Systematische Betrachtung nichtfunktionaler Anforderungen beim Entwurf von I4.0 Service-Infrastrukturen, Automation 2016, Baden-Baden, VDI-Verlag, 2016

R. Denzer, P. Fitch, I. N. Athanasiadis, D. P. Ames, Parallel simulation of environmental phenomena, International Congress on Environmental Modelling and Software 2014, <http://www.iemss.org/sites/iemss2014/proceedings.php>, ISBN: 978-88-9035-744-2, 2014

R. Denzer, S. Schlobinski, G. Boot, F. Keppel, E. de Rooij, An information platform fostering re-use of water data, International Congress on Environmental Modelling and Software 2014, <http://www.iemss.org/sites/iemss2014/proceedings.php>, ISBN: 978-88-9035-744-2, 2014

P. Dihe, R. Denzer, M. Polese, A.-M. Heikkilä, D. Havlik, J. Sautter, Th. Hell, S. Schlobinski, G. Zuccaro, W. Engelbach, An architecture for integrated crisis management simulation, MODSIM 2013, 20th International Congress on Modelling and Simulation, December 2013, pp. 2506–2512. ISBN: 978-0-9872143-3-1. www.mssanz.org.au/modsim2013/C8/dihe.pdf

R. Denzer, S. Schlobinski, T. Hell, G. Gruber, Application of a scenario decision support solution for combined sewer systems, MODSIM 2013, 20th International Congress on Modelling and Simulation, December 2013, Session C.8, abstract only publication

S. Schlobinski, L. Gidhagen, J. Olsson, S. Frysinger, R. Denzer, P. Kutschera, Integration of Climate Change Effects in Local Models and Urban Planning Processes, International Congress on Environmental Modelling and Software 2012, <http://www.iemss.org/society/index.php/iemss-2012-proceedings>, pp. 826-834, ISBN: 978-88-9035-742-8, 2012

R. Denzer, Hydroinformatics: Interoperability, standards and governance of water information infrastructures, Proceedings of the WIRADA Science Symposium, pp.120-124, <http://www.csiro.au/WIRADA-Science-Symposium-Proceedings>, 2012

F. Torres-Bejarano, H. Ramírez León, R. Denzer, N. Olaya-Coronado, Desarrollo de un Sistema de Información Ambiental Para el Estudio Integral de Ecosistemas Acuáticos, Ninth LACCEI Latin American and Caribbean Conference (LACCEI'2011), Medellín, Colombia, 2011

F. Torres-Bejarano, R. Denzer, H. Ramírez, T. Hell, S. Frysinger, S. Schlobinski, R. Güttler, Development and Integration of a Numerical Water Quality Model with the Geospatial Application Suite CIDs, 19th International Congress on Modelling and Simulation, Perth, Australia, December 2011, pp. 1271-1279, ISBN: 978-0-9872143-1-7, http://mssanz.org.au/modsim2011/C4/torres_bejarano.pdf

L. Gidhagen, M. Enghardt, S. Schlobinski, R. Denzer, P. Kutschera, Uncertainties in future air quality: a scientific workflow tool, 19th International Congress on Modelling and Simulation, Perth, Australia, December 2011, pp. 1774-1780, ISBN: 978-0-9872143-1-7, <http://mssanz.org.au/modsim2011/E1/gidhagen.pdf>

R. Denzer, S. Schlobinski, T. Hell, R. Güttler, L. Gidhagen, Towards automation of model execution from a decision support environment, 19th International Congress on Modelling and Simulation, Perth,

Australia, December 2011, pp. 1202-1208, ISBN: 978-0-9872143-1-7, <http://mssanz.org.au/modsim2011/C4/denzer.pdf>

S. Schlobinski, T. Hell, R. Denzer, R. Güttler, Ein Werkzeug für die Entwicklung integrierter Fachanwendungen im Umfeld verteilter Daten- und Service-Infrastrukturen, 23rd AGIT Symposium, Salzburg, July 2011, in: J. Strobl et al. (eds.), Angewandte Geoinformatik 2011, pp. 245-250, ISBN 978-3-87907-508-9

R. Denzer, S. Schlobinski, L. Gidhagen, A Decision Support System for Urban Climate Change Adaptation, Proceedings of the 44th Hawaii International Conference on System Sciences (HICSS-44), CDROM, IEEE Computer Society, January 2011

R. Denzer, S. Schlobinski, R. Güttler, P. Dihé, M. Scholl, S. Puhl, A Service Access Control Framework for a Sensor Service Architecture, Proceedings of the 44th Hawaii International Conference on System Sciences (HICSS-44), CDROM, IEEE Computer Society, January 2011

L. Gidhagen, R. Denzer, S. Schlobinski, F. Michel, P. Kutschera, D. Havlik, Sustainable Urban Development Planner for Climate Change Adaptation (SUDPLAN), Proceedings of ENVIP'2010 workshop at EnviroInfo2010, "Environmental Information Systems and Services - Infrastructures and Platforms", Bonn, October 6-8, 2010, CEUR-WS, Vol-679, ISSN 1613-0073, urn:nbn:de:0074-679-9

R. Denzer, R.M. Argent, R. Güttler, Modelling Environments and Use of Service Infrastructures, MODSIM 2007, International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand, December 2007, pp. 833-838

D. Havlik, G. Schimak, R. Denzer, B. Stevenot, SANY (Sensors Anywhere) Integrated Project, International Symposium on Environmental Software Systems 2007 (ISESS 2007), Prague, May 22-25 2007, IFIP Conference Series

G. Schimak, U. Bügel, R. Denzer, D. Havlik, Meta-Information – A basic instrument in developing an Open Architecture and Spatial Data Infrastructure for Risk Management, International Symposium on Environmental Software Systems 2007 (ISESS 2007), Prague, May 22-25 2007, IFIP Conference Series

Th. Usländer, R. Denzer, R. Güttler, Open Service-oriented Architecture for Environmental Risk Management Applications, International Symposium on Environmental Software Systems 2007 (ISESS 2007), Prague, May 22-25 2007, IFIP Conference Series

U. Bügel, D. Hilbring, R. Denzer, Application of Semantic Services in ORCHESTRA, International Symposium on Environmental Software Systems 2007 (ISESS 2007), Prague, May 22-25 2007, IFIP Conference Series

R. Denzer, Environmental Information Infrastructures in Europe - Where are we? What next? And what then?, Keynote Lecture (Abstract-only published), International Symposium on Environmental Software Systems 2007 (ISESS 2007), Prague, May 22-25 2007, IFIP Conference Series

O. Renda, J. Favaro, Th. Usländer, R. Denzer, Una Architettura Open Service per la Gestione del Rischio Ambientale: il progetto ORCHESTRA, Proceedings AMFM Conference 2006, 21-22 September 2006, Rome

- G. Schimak, Th. Usländer, J.F. Esteban, R. Denzer, ORCHESTRA - A future-oriented risk management architecture, International Disaster Reduction Conference (IDRC), 2006, Davos, Switzerland, August 2006, Swiss Federal Institute WSL, pp. 525-527, 2006
- D. Havlik, G. Schimak, R. Denzer, Th. Usländer, From Proprietary Environmental Software Systems to Interoperable Components, Proceedings IEMSS 2006, July 9-13, 2006, Burlington, USA
- O. Renda, J. Favaro, Th. Usländer, R. Denzer, An Open Service Architecture for Risk Management, Proceedings AMFM Conference 2006, 21-22 September 2006, Rome (English version of original article in Italian)
- D. Havlik, G. Schimak, R. Denzer, B. Stevenot, Introduction to SANY (Sensors Anywhere) Integrated Project, Proceedings Enviroinfo 2006, Graz Austria, September 2006, Paper was part of the Smart Monitoring Workshop of the EC, which was not published in the official proceedings
- R. Denzer, R. Güttler, ORCHESTRA - An Information Infrastructure to Support Cross-Boundary Risk Management, MODSIM 2005, Melbourne, Australia, in: A. Zerger, R Argent (eds.), Proceedings of MODSIM 2005, International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand, December 2005, pp. 1951-1956, ISBN 0-9758400-0-2
- Th. Usländer, U. Bügel, R. Denzer, Das Integrierte EU-Projekt ORCHESTRA - Konzeption einer offenen Dienstarchitektur im Kontext der INSPIRE Initiative, Proceedings Workshop Umweltdatenbanken, German Informatics Society, Hannover, Germany, June 6-7, 2006
- G. Schimak, Th. Usländer, R. Denzer, G. Pichler, ORCHESTRA - Entwicklung einer offenen, service-orientierten Architektur für das Risikomanagement in Europa, Proceedings AGIT 2005, pp. 8-15, Wichmann Verlag, 2005
- A. Sassen, A. Annoni, M. Millot, R. Denzer, L. Hecht, G. Pichler, M. Couturier, C. Alegre, Towards an Open Risk Management Service Architecture, in: B. Carle, B. van der Walle, Proceedings of the Second International ISCRAM Conference, Brussels, Belgium, April 2005, ISBN: 907 697 1099 (paper); 978-907 697 1094 (CD-ROM)
- R. Denzer, Information Networks for E-Administration, Third IFIP Conference on eCommerce, eBusiness and eGovernment (I3E 2003), Guarujá, Brazil, September 2003, in: R. Suomi et. al (eds.), I3E Proceedings, pp. 75-84, IFIP Conference Series, 2003
- R. Denzer, R. Güttler, S. Schlobinski, J. Williams, A Decision Support System for Marine Applications, Proceedings MODSIM 2003, pp. 1757-1762, Townsville, Australia, 2003
- R. Denzer, R. Güttler, T. Hell, M. Villa, Integration of Heterogeneous Software Components in a Pesticide Decision Support System, Proceedings MODSIM 2003, pp. 1739-1744, Townsville, Australia, 2003
- R. Denzer, P. Collotte, G. Weets, Enviromatics in the 5th Framework Program, ISESS 2003, Semmering, 2003, pp. 257-258, International Symposium on Environmental Software Systems 2003 (ISESS 2003), Semmering, May 27-30 2003, IFIP Conference Series

R. Denzer, R. Güttler, T. Hell, S. Schlobinski, D.A. Swayne, An Architecture for Integrated Spatial Decision Support Systems, Proceedings of Enviroinfo 2002, Sept. 25-27, 2002, Vienna, Austria, International Society for Environmental Protection, Vienna, ISBN 3-9500036-8-1

R. Denzer, Generic Integration in Environmental Information and Decision Support Systems, Keynote lecture, IEMSS 2002 (ISESS 2002), Bi-annual conference of the International Environmental Modelling and Software Society, Lugano, June 24-27 2002, pp. 53-60

R. Denzer, Integrating Heterogeneous Systems using Meta Information Networks, International Symposium on Environmental Software Systems, IFIP, St. Nikolai, Austria, June 1998, this paper is the basis for a journal publication in Environmental Modeling and Software

R. Pfannkuche, R. Denzer and TEMSIS Consortium, TEMSIS – Länderübergreifende interkommunale Informationsservices im Umweltschutz, Umweltinformatik 1998, pp. 683-694, September 1998, Bremen, Metropolis, 1998

R. Denzer, G. Schimak, R. Güttler, P. Houy, TEMSIS-Consortium, TEMSIS - a Transnational System for Public Information and Environmental Decision Support, HICSS-31, January 1998, rewarded best stream paper, best stream papers were peer-reviewed and published in Environmental Modelling and Software 15(2000), pp. 235-243 (see section peer reviewed journals)

J. Burgard, R. Pfannkuche, R. Denzer and TEMSIS Consortium, TEMSIS - a Cooperative Environmental Management and Information System at the German-French Border, Umweltinformatik 1997, September 1997, Strasbourg, Metropolis, 1997

R. Denzer, R. Güttler, Meta Information Concepts for Environmental Information Systems, GeoComputing 1997, in: A. Marr, Proceedings of the 2nd International Conference on GeoComputation, University of Otago, New Zealand, August 1997, pp. 15-21, geocomputation.org

G. Schimak, R. Denzer and TEMSIS-Consortium, TEMSIS - a first Step towards Transnational Environmental Information Systems, ECO-Informa 96, November 1996, Lake Buena Vista, Florida, USA

H. Wolf, R. Denzer, R. Güttler, Metadaten für die Integration von Datenbeständen, in: H. Lessing, Informatik für den Umweltschutz, September 1996, Metropolis, 1996, pp. 69-78

R. Denzer, R. Güttler, R. Schorr, S. Pfeil, SIRIUS - Informationsarchitektur und Integrations-Toolkit für offene Umweltinformationssysteme, in: R. Güttler, W. Geiger (eds.), 3. Workshop Integration von Umweltdaten, Schloß Dagstuhl, April 1995, pp. 87-102, Metropolis, 1996

R. Denzer, R. Güttler, J. Kleis, M. Schmitt, G. Behling, C. Wenderoth, R. Lenz, Metainformation in der FAM-Datenbank, in: R. Güttler, W. Geiger (eds.), 3. Workshop Integration von Umweltdaten, Schloß Dagstuhl, April 1995, pp. 67-76, Metropolis, 1996

R. Güttler, R. Denzer, SIRIUS - Ein Integrationswerkzeug für inselhafte Umweltinformation, in: H. Kremers, W. Pillmann (eds.), 9. Symposium Informatik für den Umweltschutz, September 1995, Teil I, pp. 422-430, Metropolis, 1995

R. Denzer, R. Güttler, Über die Integrationsproblematik bei übergreifenden Umweltinformationssystemen, in: GISI 1995, Gemeinsame Jahrestagung der GI und SI, September 1995, Springer, 1995

G. Schimak, G. Ernst, H. Humer, R. Denzer, The Challenge of Integration in Environmental Information Systems, in: P. Zanetti (ed.), Computer Techniques in Environmental Studies V, Envirosoft 1994, San Francisco, November 1994, Vol. II, pp. 249-256, Computational Mechanics Publication, 1994

G. Schimak, H. Humer, R. Denzer, G. Ernst, Ozone Monitoring in Austria, in: P. Zanetti (ed.), Air Pollution 1994, Transactions on Ecology and the Environment Vol. 4, Pollution Control and Monitoring, pp. 301-309, Elsevier, 1994, ISSN 1743-3541 302

G. Schimak, R. Denzer, H. Humer, W. Knappitsch, The Ozone Network for Austria - Technical Concept of a Distributed Environmental Information System, in: L. M. Hilty, B. Page (eds.) Informatik für den Umweltschutz, 8. Symposium, Hamburg, August 1994, pp. 89-96, Metropolis, 1994

R. Denzer, Objekt-Interfaces für Umweltinformationssysteme, in: L. M. Hilty, B. Page (eds.), Informatik für den Umweltschutz, 8. Symposium, Hamburg, August 1994, pp. 343-350, Metropolis, 1994

G. Schimak, R. Denzer, H. Humer, Integration in the Austrian Ozone Network, in: R. Güttler, W. Geiger (eds.), 2. Workshop Integration von Umweltdaten, Schloß Dagstuhl, February 1994, pp. 9-22, Metropolis, 1994

R. Denzer, Anforderungen an Metainformationssysteme für den Umweltbereich, in: R. Güttler, W. Geiger (eds.), 2. Workshop Integration von Umweltdaten, Schloß Dagstuhl, February 1994, pp. 77-88, Metropolis, 1994

R. Denzer, W. Geiger, Diskussionspapier "Ganzheitliche Sicht des Integrationsproblems von Umweltdaten", in: R. Güttler, W. Geiger (eds.), 2. Workshop Integration von Umweltdaten, Schloß Dagstuhl, February 1994, pp. 147-154, Metropolis, 1994

R. Denzer, Editorial, in: R. Denzer et al. (eds.), 4. Workshop Visualisierung von Umweltdaten, Schloß Dagstuhl, January 1994, pg. 7, Metropolis, 1994

G. Schimak, R. Denzer, Interactive Visualization in the Austrian Ozone Network, in: R. Denzer et al. (eds.), 4. Workshop Visualisierung von Umweltdaten, Schloß Dagstuhl, January 1994, pp. 37-44, Metropolis, 1994

M. Berger, R. Denzer, Arbeitsgruppe Visualisierung, in: R. Denzer et al. (eds.), 4. Workshop Visualisierung von Umweltdaten, Schloß Dagstuhl, January 1994, pp. 165-168, Metropolis, 1994

R. Denzer, G. Schimak, H. Humer, Integration in Environmental Information Systems, in: D. Russell (ed.), International Symposium on Engineered Software Systems, Malvern, USA, Mai 1993, pp. 97-105, World Scientific, Singapore, 1993, invited paper

R. Güttler, R. Denzer, Umweltinformation als verteiltes System, in: A. Jaeschke et al. (eds.), Informatik für den Umweltschutz, 7. Symposium, Ulm, March, 1993, pp. 404-416, Informatik Aktuell, Springer, 1993

R. Denzer, Concepts for the Visual Presentation of Environmental Data, in: A. Jaeschke et al. (eds.), Informatik für den Umweltschutz, 7. Symposium, Ulm, March 1993, pp. 441-449, Informatik Aktuell, Springer, 1993

- R. Denzer, Visualisierung von Umweltdaten - Überblick und Ausblick, in: A. Jaeschke et al. (eds.), Informatik für den Umweltschutz, 7. Symposium, Ulm, March 1993, pp. 74-84, Informatik Aktuell, Springer, 1993
- R. Denzer, Dialogue Shifts - A New Paradigm for the Visual Presentation of Complex Environmental Data, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten 1992, Schloß Zell an der Pram, December 1992, pp. 34-39, Informatik Aktuell, Springer, 1993
- R. Denzer, G. Schimak, W. Haas, Zusammenfassung einiger Diskussionspunkte des 3. Workshops Visualisierung von Umweltdaten, in: R. Denzer et al. (eds.) Visualisierung von Umweltdaten 1992, 3. Workshop, Schloß Zell an der Pram, December 1992, pp. 126-128, Informatik Aktuell, Springer, 1993
- R. Denzer, G. Schimak, H. Humer, Air Pollution Monitoring, in: P. Zannetti (ed.), Computer Techniques in Environmental Studies IV, Envirosoft 1992, Portsmouth, September 1992, pp.637-652, Elsevier, 1992
- R. Denzer, Optimierung der Prozeßführung durch prozeßadaptive graphische Benutzeroberflächen, GI-Jahrestagung, September 1992, in: W. Görke, H. Rininsland, M. Syrbe (eds.), Informatik als Produktionsfaktor, pp. 296-304, Informatik Aktuell, Springer, 1992
- R. Denzer, A Distributed Knowledge Based Architecture for Process Guidance and Decision Support, in: D.E Grierson., G. Rzevski, R.A. Adey (eds.), Applications of Artificial Intelligence in Engineering VII (AIENG VII), University of Waterloo, July 1992, Proceedings, pp. 245-254, Computational Mechanics Publications, Elsevier, 1992
- R. Denzer, Interactive Visualization of Environmental Measurement Networks, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten 1991, Schloß Dagstuhl, November 1991, pp. 77-85, Informatik Aktuell, Springer, 1992
- R. Denzer, F. Koob, G. Kira, Object-Oriented Dialogue Modeling for Environmental Software Systems, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten 1991, Schloß Dagstuhl, November 1991, pp. 101-106, Informatik Aktuell, Springer, 1992
- R. Güttler, R. Denzer, Workshop "Visualisierung von Umweltdaten", IBFI Dagstuhl, 26.-28. November 1991 - Zusammenfassung -, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten 1991, 2. Workshop, Schloß Dagstuhl, November 1991, pp. 114-117, Informatik Aktuell, Springer, 1992
- R. Denzer, G. Schimak, Visualization of an Air Quality Measurement Network, in: M. Hälker, A. Jaeschke (eds.), Computer Science for Environmental Protection, 6. Symposium, München, December 1991, Informatik-Fachberichte 296, pp. 78-86, Springer, 1991
- R. Denzer, H. Hagen, G. Kira, F. Koob, Using Process Knowledge for Adaptive User Interfaces, in: G. Rzevski, R.A. Adey (eds.), Applications of Artificial Intelligence in Engineering VI (AIENG VI), Proceedings, Oxford, July 1991, pp. 583-596, Computational Mechanics Publications, Elsevier
- G. Schimak, R. Denzer, Komplexe Inhalte eines Umweltinformationssystems, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten, Rostock, November 1990, Informatik-Fachberichte 274, pp. 9-21, Springer, 1990
- R. Denzer, User Interface Management in Distributed Systems, in: R. Denzer et al. (eds.), Visualisierung von Umweltdaten, Rostock, November 1990, Informatik-Fachberichte 274, pp. 83-97, Springer, 1991

R. Denzer, User-Interfaces für die Visualisierung von Umweltdaten - Anforderungen und Architektur, in: W. Pillmann, A. Jaeschke (eds.), Informatik für den Umweltschutz, 5. Symposium, Wien, September 1990, Informatik-Fachberichte 256, pp. 847-854, Springer, 1990

R. Denzer, Informatikeinsatz im prozeßnahen Bereich an einer Pilotanlage zur schadstoffarmen Müllverbrennung, in: A. Jaeschke, W. Geiger, B. Page (eds.), Informatik im Umweltschutz, 4. Symposium, Karlsruhe, November 1989, Informatik-Fachberichte 228, pp. 329-337, Springer, 1989

Technical reports

T. Usländer, R. Denzer and ORCHESTRA Consortium, Reference Model for the ORCHESTRA Architecture (RM-OA) V2 (Rev 2.1), OGC Best Practice Paper OGC 07-097, August 2007

R. Denzer, Möglichkeiten eines Immisionsdatenverbundes in Österreich, Report 221/92, University of Kaiserslautern, Computer Science Department, May 1992

R. Denzer, An Object-Oriented Architecture for User Interface Management in Distributed Applications, Report 222/92, University of Kaiserslautern, Computer Science Department, May 1992

R. Denzer, Architektur offener Umweltinformationssysteme, Report 218/92, University of Kaiserslautern, Computer Science Department, February 1992

R. Denzer, Konzept eines wissensbasierten Visualisierungssystems für die Prozeßführung, Report 12-02-04-P17-B, KIT (Kernforschungszentrum Karlsruhe), 1989

Thesis

R. Denzer, Visualization in Complex Systems and its Application in Environmental Protection (Visualisierung in komplexen Systemen und deren Anwendung im Umweltschutz), Doctoral Thesis (Dr. rer. nat.) in Computer Science, Institute for Computer Graphics, Prof. Hans Hagen, University of Kaiserslautern, July 1991

R. Denzer, Design of State Space Control Systems using Complete Modal Synthesis with Dominance Measures (Ausgangsvektorrückführung durch Vollständige Modale Synthese mit Dominanzvorgabe), Thesis (Dipl. Ing.) in system theory and control systems, Institut für Regelungs-und Steuerungssysteme, Prof. Otto Föllinger, Universität Karlsruhe, June 1986