

Dr. Andreas Matheus

Curriculum Vitae as of 05/16/2007

Born 02/05/1966 in Wesel, Northrhine-Westfalia

Three children with my wife Nicole, born 04/18/2006 and 02/10/2008 in Munich

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STANDARDIZATION ACTIVITIES

- 2007 – 2008 Editor of OGC Draft Implementation Specification “OpenGIS Geospatial eXtensible Access Control Markup Language (GeoXACML)”
- 2006 – now Elected member of the OGC Architecture Board
- 2005 – now Chair of the Security Working Group
- 2004 – now Member of the GeoDRM Working Group
- 2001 – now Open Geospatial Consortium (OGC) Technical Committee

ACADEMIC AND SCIENTIFIC EMPLOYMENT

- 2005 – now Principal research assistant
Universität der Bundeswehr München, Fakultät für Informatik
- 2001 – 2005 PhD student
Technische Universität München, Fakultät für Informatik
Dissertation: „*Declaration and Enforcement of Access Restrictions for Distributed Geospatial Information Objects*“
- 1997 – 1998 Software engineer
Siemens ElectroCom, Arlington, TX, USA
- 1995 – 2001 Software engineer (1995 – 1997) and project manager (1998 – 2001)
AEG/Siemens ElectroCom, Konstanz, Germany
- 1993 ERASMUS student
Preparation of Minor Thesis at the University of York, England
Minor Thesis: “*Software and Hardware Fault Tolerant Inverted Pendulum Controller*”
- 1987 – 1995 Student
Study of Electrical Engineering at the Gerhard-Mercator-Universität
Diploma Thesis: “*Frequenzselektive Kompandierung zur Unterdrückung von Vorecho-Störungen bei einem Codierungsverfahren für qualitative hochwertige Audiosignale*“

PUBLICATIONS AND TALKS

- 04/2007 *GeoDRM and Security – Standards and Technical Aspects in OWS-4, Canadian Interoperability Day, Ottawa, Canada*
- 03/2007 *Security for Geo Web Services, Seminar at GITA's annual conference, San Antonio, USA*
- 03/2007 *Sicherheitsmaßnahmen für OpenGIS® Web Services am Beispiel von Disclaimer-Enablement, ZfV Mitteilungen des DVW, 1/2007*
- 03/2007 *Intensivkurs Sicherheit für Geo Web Services, Runder Tisch GIS e.V., München*
- 02/2007 *GeoXACML und SAML Workshop "Zugriffskontrolle für Geo Web Services" for GDI Berlin-Brandenburg, Potsdam*
- 12/2006 *WFS-T Authorization in OWS4, Implementation of the Universität der Bundeswehr München, OGC technical committee meeting, December 2006, San Diego, USA*
- 11/2006 *Incorporating IT Standards to enable Authentication and Access Control for OGC Web Services, 2006 ACM Workshop on Secure Web Services (SWS), George Mason University, Fairfax, USA*
- 08/2006 *Standardbasierte Sicherheitslösungen für OGC Web Services: Authentifizierung und Zugriffskontrolle, 9. Seminar "GIS & Internet", Universität der Bundeswehr München, München*
- 07/2006 *Sicherheit bei Service-basierten Geodateninfrastrukturen, 3. Konferenz esgeo – Sichere Geoinformationen, Bochum*
- 03/2006 *Nutzung und Erweiterung von IT-Standards zur Realisierung von Authentifizierung und Zugriffsschutz für Geo Web Services, 11. Münchner Fortbildungsseminar Geoinformationssysteme 2006, München*
- 11/2005 *Sicherheit bei Service-basierten Geodateninfrastrukturen, Cegi OGC Interoperability Day, Bonn*
- 11/2005 *Authorization for Digital Rights Management in the Geospatial Domain, ACM Workshop on Digital Rights Management 2005, CCS2 Conference, Alexandria, USA*
- 08/2005 *Combined Use of Distributed and Protected Geodata, 13th International Conference on Geoinformatics, Toronto, Canada*
- 06/2005 *GeoXACML, a spatial extension of XACML, OGC Discussion Paper OGC #05-036*
- 04/2005 *GeoXACML, a spatial extension of XACML, OGC 54th technical committee meeting, St. John's, Newfoundland, Canada*
- 04/2005 *Declaration and Enforcement of fine-grained Access Restrictions for a Service-based Geospatial Data Infrastructure, Tenth ACM symposium on access control models and technologies (SACMAT), Stockholm, Sweden*
- 04/2005 *Licensing of geospatial data and the authorization prospective, OGC 53rd technical committee meeting, Frascati, Italy*
- 03/2005 *Declaration and Enforcement of Access Restrictions for Distributed Geospatial Information Objects, Dissertation, Technische Universität München*
- 01/2005 *Authorization for a Service-based Geospatial Data Infrastructure, OGC 52nd technical committee meeting, New York, USA*
- 01/2005 *How to Declare Access Control Policies for XML Structured Information Objects Using OASIS' eXtensible Access Control Markup Language*

(XACML), 38th Hawaii International Conference on System Sciences, Waikoloa, USA

- 06/2004 *Geospatial Access Control, applied to the OGC Services WMS and WFS, OGC 50th technical committee meeting, Southampton, U.K.*
- 06/2004 *Geo Web Services, Sicherheit und Zugriffskontrolle, Fachexkursion at Westfälische Wilhelms-Universität, Munster*
- 01/2004 *Proposal for Geospatial Access Control, OGC 49th technical committee meeting, New York, USA*
- 01/2004 *Secure Access Control for Spatial Web Services, 2004 Hawaii International Conference on Computer Sciences, Honolulu, USA*

- 10/2003 *Research Project GeoPortal (co-author A. Donaubaauer), OGC 47th technical committee meeting, Segovia, Spain*
- 03/2003 *Sicherheit und Zugriffskontrolle bei Geo Web Services, 8. Münchner Fortbildungsseminar Geoinformationssysteme 2003, München*