

## C.V. Mohamed Bishr, M.Sc. & Ph.D.(In progress)

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### CURRENT EMPLOYMENT: RESEARCH ASSISTANT (WISSENSCHAFTLICHER MITARBEITER), UNIVERSITY OF MUENSTER, GERMANY

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Mohamed have worked for several years in Egypt and managed to merge his experience in geo-spatial information systems with strong skills in software development to launch a successful career as a researcher in an international and highly competitive environment in Europe. He was awarded a M.Sc. degree with distinction ranking top among his class. Mohamed have also been working in MUSIL (Muenster Semantic Interoperability Lab) at the University of Muenster, Germany as a member of a team managing the European Union Swing project on cutting edge research and development of semantic web services. Mohamed is also completing his Ph.D. thesis which focuses on establishing quality measures for collaborative GI using trust and social network modeling. Within a few years in the academic career Mohamed have won awards for leading research.

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### AREAS OF STRENGTH

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- Technology development and deployment
  - Project and product management
  - International academic partnership and Management
  - Semantic Web, Web 2.0
  - Oracle Database Management and Development
  - Location based services
  - Standards compliance (ISO, OGC)
  - Software Engineering Lifecycle
  - Service Oriented Architecture
  - Java, XML, J2EE, OWL, UML, WSML, WSMX
  - Sun Certified Java Programmer
  - Sun Certified Web components Development
  - Digital Rights Management (DRM) for Geospatial information
  - E-commerce and back office operations
  - Data warehousing
  - Business Process Engineering
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### CAREER SUMMARY

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- **2006-Present: Research Assistant and Ph.D. Candidate, Institute for Geoinformatics, MUSIL<sup>1</sup> Group, University of Muenster, Germany**
  - Currently doing Ph.D. research on a Theory for Spatio-Temporal Trust in Social Networks on the Semantic Web and Web 2.0.
  - Employed as an ontology engineer at the European Swing<sup>2</sup> Project. Swing Project is aimed at cutting edge research to build the next generation semantic web services with 7 major European partners involved.
  - Teaching advanced undergraduate course (Geosoftware II course). This course is designed to help students become familiar with the latest web development frameworks,

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<sup>1</sup> <http://musil.uni-muenster.de/>

<sup>2</sup> <http://www.swing-project.org/>

- tools and languages. The course utilizes the latest in Web 2.0 technology to build advanced spatially enabled web applications.
- Responsible for the development of Web Processing Service (WPS) algorithms to be part of the persistent European test-bed for geospatial web services. The test-bed activity is initiated by AGILE (Association for Geographic Information Laboratories in Europe).
  - Involved in an early stage project with Edinburgh University. The project is concerned with building a scientific knowledge infrastructure for the GISciences domain. The early stage requires developing a prototype demonstrator for the knowledge infrastructure interface and core functionality.
  - Writing funding proposals for European and Local German funding agencies. As a result two funding proposals have already been submitted and pending approval.
- **2004-2006 M.Sc. Researcher: International Institute for Geo-Information and Earth Observation (ITC) Enschede, The Netherlands**
    - Completed a Masters Degree course in Geospatial Information Management with a thesis title “Geospatial Digital rights Management (GeoDRM) with focus on digital Licensing of GML datasets”
    - M.Sc. degree was awarded with “Distinction” ranking top of class
    - Involved in OGC GeoDRM working group meetings on the European level with contributions at the GeoDRM reference manual.
    - During the M.Sc. participated in various case studies and student projects in the Netherlands, Germany and Italy.
  - **2002-2004 Business Analyst, Tamima Information Technology and training TITT Cairo, Egypt**
    - Manage organizational IT moderation projects.
    - Design, business process analysis and management of a joint project to implement Oracle CRM systems for Tamima Teleseen the target TV marketing operator in the North Africa Region
    - Various in-house software development tasks
  - **2000-2002 Web Software Developer**
    - Building and maintaining corporate and project specific web presence
    - Training and education for Java, Web Component Development and J2EE
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## EDUCATION

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- In Progress, Ph.D. in Informatics, University of Muenster, Germany. Expected to finish early 2009
  - 2006, M.Sc. in Geo-Information Science and Earth Observation, with specialization in Geo-information Management, Geospatial Digital Rights Management. ITC, Enschede, The Netherlands.
  - 2000, B.Sc. Urban Planning and Architecture, with specialization in City Planning, Cairo University, Egypt.
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## ACADEMIC ACHIEVEMENTS

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- In 2007 received the GOOGLE awards and scholarship for high quality Ph.D. proposal. The awards will be handed at the COSIT 2007 conference in Australia co-sponsored by GOOGLE.
- One of my refereed publications is selected as a book chapter for a book by the ESRI Press. The book is titled “Research and Theory in Advancing Spatial Data Infrastructure Concepts” ISBN: 978-1589481626
- M.Sc. degree awarded with “Distinction” and ranked top of the 2006 class

Mohamed Bishr

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- Awarded the Dutch NFP Fellowship in 2004
- Currently has two publications on the topic of collaborative GI
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