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#### **SUMMARY:**

Fourteen years of progressive experience in a wide variety of duties in Library and Information Systems combining teaching, practice, and research in a University and International Organization setting. Positions held include Network Manager, System Consultant, Head of Computer and Information Retrieval Center, Chief Medical Librarian, Assistant Instructor, and Lecturer.

#### **TEACHING INTERESTS:**

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- Information storage and retrieval
- Information organization (knowledge representation, classification, categorization)
- Systems analysis and design
- Data communications and computer networks
- Information systems and services in organizations
- Medical informatics

#### **RESEARCH INTERESTS:**

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- Information retrieval (concept representation, knowledge representation, classification theory, categorization)
- Faceted classification and information visualization
- Information systems evaluation
- Health informatics

#### **EDUCATION:**

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- Ph.D., Information Sciences, University of North Texas, School of Library and Information Sciences, August 2007.
- **Dissertation:** Human Concept Cognition and Semantic Relations in the Unified Medical Language System: A Coherence Analysis (Grade: Pass with no changes required).
- M.S., Information Science, Addis Ababa University, School of Information Studies for Africa, Ethiopia, June 1998 (with great distinction).
- **Thesis:** Information Resource Sharing at the International Livestock Research Institute: The Potential for Intranet Solution. Defended before external examiner Dr. Jonathan Fulmer now at the Department of Information Studies, UCLA (Grade: Excellent).
- B.S., Library and Information Science (major) and Computer Science (minor), Addis Ababa University, School of Library and Information Science, Ethiopia, November 1993 (with distinction).
- **Senior paper:** Planning and Designing Leather Information System for Leather and Leather Products Institute (LLPI) of the Preferential Trade Area (Grade: Excellent).

## PROFESSIONAL TRAINING:

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- April 2003, Microsoft Certified Professional.
- March - August 2001, International Training in Medical Informatics, Fogarty/New England Medical Center and University of Natal, Durban, South Africa.
- December 2000 — February 2001, Library Automation and Management, University of East Anglia, UK.
- June — July 1999, Backbone Internetworking training, Internet Society, San Jose State University, CA.

## RELATED EXPERIENCE

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January 2008 — Present

Assistant Professor, Library and information Science Program, Morgridge College of Education, University of Denver.

- Current teaching assignment:
  - User-centered design
  - Web content management

January 2004 — Dec. 2007,

Assistant Instructor, School of Library & Information Sciences, University of North Texas, Denton, TX.

- Taught face-to-face classes and via video conferencing a core course in the school titled 'SLIS 5600 Introduction to Information Access and Retrieval,' mainly covering the following sessions:
- Information seeking behavior; user studies; search engines; database design; search and retrieval strategy
- Grade students' assignments and projects, answer students' questions by email, participate in online discussion topic forums, and chat periodically with students.
- Design and maintain the course online using WebCT Vista, Integrated online course management system.

Teaching Assistant, School of Library & Information Sciences, University of North Texas, Denton, Texas.

Provide technical support for, design and maintain three online courses in WebCT Vista:

- SLIS 5208 Learning resources organization and media
- SLIS 5340 Learning resources centers and services
- SLIS 5720 Instructional Materials production and use

May 2002 — June 2004,

Technical Support, Central Public Library and City Secretary's Office, City of Dallas, Dallas, Texas.

- Helped develop a document scanning and delivery system for inter-library loan requests
- Created and developed online finding tool using OAI standards and XML schema for the city secretary's office archival collection

September 2003 – January 2004,

Digital Projects Team Member, Digital Projects Department, Willis Library, University of North Texas, Denton, Texas.

- Participated in the digitization project named "Travel at the turn of the 20<sup>th</sup> century" that involved scanning, coding, and tagging travel documents using XML schema

November 2001 – September 2002,

Network Consultant, St. Michael Ethiopian Orthodox Church, Garland, Texas.

- Installed and configured local area network for the church on a Windows 2000 platform
- Installed and configured Deacon software for use on the network to support financial transactions and work flow activities

June 1998 – September 2001,

Head, Central Medical Library, (de facto National Medical Library of Ethiopia), Faculty of Medicine, Addis Ababa University, Ethiopia.

- Responsible for the overall operation of the library including management, acquisition, technical services, and supervise 27 full time professional staff
- Established electronic information service center for faculty and residents
- Compiled freely available bio-medical online resources
- Developed and maintained a comprehensive website that serves the medical school entire [[www.cih.uib.no/medaaui/index.html](http://www.cih.uib.no/medaaui/index.html)]
- As part of continuing medical education, I conduct periodic instructional programs on bio-medical databases, HealthNet usage, the Cochrane Library, and searching through randomized control trials

Lecturer, School of Information Studies for Africa, Addis Ababa University, Ethiopia.

Taught undergraduate seniors the following courses:

- Classification theory and practice
- Information systems and services in organizations
- Systems analysis and design
- Information storage and retrieval

Lecturer, African Virtual University, Science Faculty, Ethiopia

- Taught several computer application courses and computer networking

System Administrator, HealthNet Ethiopia, Faculty of Medicine, Addis Ababa University, Ethiopia.

- In Partnership with SatelLife Inc. based in Watertown, MA, I was responsible for the management and support of a nationwide network serving the healthcare sector ([www.healthnet.org/hnethiopia.php](http://www.healthnet.org/hnethiopia.php))

Member of technical committee, Addis Ababa University, Ethiopia.

Under the supervision of the steering committee and the university vice-president office, I worked with other team members to plan, design, implement, and deploy a university-wide backbone internetworking linking 7 campuses (based on single mode fiber optic cable, gigabit Ethernet technology - 2 million USD project)

September 1999 — December 2000,

System Consultant, United Insurance, Inc., Addis Ababa, Ethiopia.

- Designed, developed, and provided continuous technical support for the company wide network
- Provided close technical support for the integrated accounting software, including regular backups

June 1998 — December 1998,

IT Consultant, United Nations Economic Commission for Africa (UNECA).

- Worked with Intranet deployment team at the Information Systems Section to provide web-based access to resources and services for the secretariat and specialized projects

November 1993 — June 1998,

Acting head, Computer and Information Retrieval Center, John F. Kennedy Memorial Library, Addis Ababa University, Ethiopia.

- Coordinated and managed the university library automation project
- Completed retrospective conversion of half a million card catalog records
- Developed and maintained several in-house databases for use by various units in the university library system
- Trained faculty and graduate students on the use of Internet and electronic library resources and services for teaching and research
- I was the leading person in IT acquisition, installation, customization, and training.

Head, Public Services, Science Library, Addis Ababa University, Ethiopia.

- Provided manual and automated reference service
- Supervised activities at the circulation department
- Together with a colleague conducted a systems evaluation study and produced a report to reengineer the operations of the science library
- Conducted regular library instructional programs to faculty and graduate students

August 1995 — September 1996,

Relief Cataloguer, Organization of African Unity (now African Union), Addis Ababa, Ethiopia

- Created computerized library catalog, a searchable database of the library holdings using CDS/ISIS database system— books, journals, documents, records, and selected papers.

## PUBLICATIONS:

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### Peer-reviewed publications

Assefa, S.G. (2001). Reaching the unreachable: The role of HealthNet Ethiopia in disseminating electronic health information resources. *Bulletin of the American Society for Information Science and Technology*, 27 (6), 19-23.

Assefa, S.G., & Prybutok, V. (2007). Towards a comprehensive model to predict perceived performance impact of wireless/mobile computing in a mandatory environment. Manuscript submitted for publication. (*Decision Sciences Journal*).

### Peer-reviewed Conference Presentations

Assefa, S.G. (2007, January). Analysis of relations in the semantic network of the unified medical language system. Doctoral student's research poster session presented at the Association for Library and Information Science Education, Seattle, WA.

Assefa, S.G., & Prybutok, V. (2006). Towards a comprehensive model to predict perceived performance impact of wireless/mobile computing in a mandatory environment. In I. Garcia & R. Trejo (Eds.), *Proceedings of the Twelfth Americas Conference on Information Systems* (pp. 2663-2672). Acapulco, Mexico: MS.

Assefa, S.G. (2006, January). Investigation of the unified medical language system using situation theory: a pragmatics approach. Poster session presented at the Association for Library and Information Science Education, San Antonio, TX.

### Unpublished Research Reports

Assefa, S.G. (1999). Enhancement and integration of application system in the health sector: A preliminary project document, Ethiopian science and technology commission (submitted to the government of Ethiopia).

Assefa, S.G., & Zenebe, A. (1995). Science library users study: Assessment and evaluation from the users perspective, research report (72p.).

### PROFESSIONAL AFFILIATIONS:

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- Member, American Society for Information Science and Technology
- Member, Association for Library and Information Science Education
- Member, Association for Information Systems

### HONORS AND AWARDS:

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- UNT division of equity and diversity travel award, Fall 2006
- Interdisciplinary information science Ph.D student/faculty research grant, Texas Center for Digital Knowledge (TxCDK), 2004/05
- University of North Texas SLIS General scholarship award, 2004 - 2007
- International training in medical informatics (ITMI) fellowship, New England Medical Center in partnership with Fogarty/University of Natal, Durban, South Africa, 2001
- British Council fellowship, University library automation training, University of East Anglia, Norwich, U.K, 2000
- Internet Society Scholarship, backbone internetworking training, San Jose State University, CA, 1999
- United Nations and Economic Commission for Africa travel grant for conferences to Kenya and South Africa in 1998 and 1999

### TECHNICAL INVENTORY:

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- Hardware (PC, Laptop, Server, PDA)
- Software/OS (Win. XP/95/98/00, NT 4.0, Novell, Linux)

- Application (MS Office 2000 suite, Web authoring tools, Graphics)
- Database (dBASE 5.0, MySQL, Access, Winisis, Claris/Filemaker Pro)
- Programming Languages (Perl, Php, C/C++, Visual Basic, Pascal, Cobol)
- Networking (NT 4.0/W2K/ Novell/Linux, TCP/IP, IPX/SPX, Switch/Router Configuration, LAN/WAN/Intranet/ VLAN, AD/DHCP/DNS/RAS/NAT, Subnetting, Wireless, Server racking, ...)
- Integrated Library Software (DRA, Horizon, Athena/Follett/TLC/ITS for windows)
- Extensive experience in using several online databases and information services including Ovid, PubMed, and Dialog
- E-learning platform, Academic Enterprise System (WebCT Campus edition and WebCT VISTA)