

*The International Symposium on ICT Education and Application in
Developing Countries, 19-21 October 2004.*

ICTES-2004, Addis Ababa, Ethiopia

Venue: Economic Commission for Africa Conference Hall

PreSymposium Program

*Organized by the Graduate School of Telecommunications & IT (GSTIT), Ethiopian
Telecommunications Corporation, in Collaboration with UNECA*

Day-1 October 19, 2004

Registration. 8:00 – 8:45

Opening Ceremony. 9:00 – 9:30

Welcome Address: *Ato Tesfaye Biru, General Manager of ETC*

Opening Address: *His Excellency Dr. Kassu Illala, Minister of Infrastructure*

Keynote Addresses 9:30 – 11:15

1. African Information Society Initiative, Aida Opoku-Mensah, UNECA 9:30 – 9:45

Coffee Break 09:45-10:15

**2. “Nokia’s commitment for Mobile Communication in Dev. Countries” Lukas Krancke,
Nokia Networks, East Africa** 10:15 – 10:35

3. “Partnership for telecom development”, Siemens Corporation, 10:35 – 10:55

**4. “Ericsson – supporting operators’ competence build-up in developing countries”, Peter
Devine, Ericsson Education, Sweden**..... 10:55 – 11:15

Session I 11:15 – 12:00

Theme: “ICT, Poverty Alleviation & Sustainable Development”

Chair: Dr. Ing. Hailu Ayele, Addis Ababa University

1. “ICT in Ethiopia’s’ Sustainable Development Context”, Jalal Abdel-Latif, The World Bank office, Addis Abeba, Ethiopia.
2. “ICT Parks for Sustainable Development: Experiences from India and Sweden.” Dr. Fisseha Mekuria, Graduate School of Telecommunications and Information Technology (GSTIT), Addis Abeba, Ethiopia.
3. “Impact of Broadband and Wireless Technology on Socio/Economical Changes” A. Seesink, Sr. Consultant Wireline Vertical, Cisco USA.

Discussion: 12:00 – 12:30

Lunch Break 12:30 – 13:30

Day-1 Afternoon Session

Session II 14:00 – 17:00

Theme: “ICT Infrastructure, Service Provision and ICT Entrepreneurship”

Chair: Aida Opoku-Mensah, UNECA

1. Expander – Cost efficient deployment of mobile networks to address new geographical areas, Bodil Josefsson, Ericsson, Sweden.
2. “Ethiopic Keyboard Mapping and Predictive Text Inputting Algorithm in a Wireless Environment.” S. Abebe, S. Atnafu, S.K. Kassegn, Addis Ababa University & University of California at Irvine, USA.
3. “Converged Network, A Means To Accelerate Network Service Provision.” D. Birhanu, W. Kassa, USA.
4. “ICT in Education and Development”, Bobak Arezian, The WorldBank.

Coffee Break: 15:00 – 15:30

5. “Migration Paths to 3G: When and why for Developing Countries?” A. Gashaw & F. Mekuria, Ethiopian Telecom Corporation & GSTIT, Addis Ababa, Ethiopia.
6. “Mobile Telephony in Main-Land China,” Mr. He Feng, ZTE-Corporation, China.
7. “ICT Entrepreneurship in Developing Countries and Poverty Alleviation”, Adewale Adeniyi-Kie, Information Technology Expert, Bahir Dar, Ethiopia.
8. “Multi Service Broadband Wireless Network. A solution to the quick Development Drive of Developing Nations.” Kelemework Belai, GDSS, CA, USA.

Discussion: 16.30 – 17:00

Day-2 October 20, 2004

Keynote Address II 9:00– 9:30

“Reflection on the use of ICT in Education by Developing Countries”, Waldi van Zyl, Business Connexion, South Africa.

Session III..... 9:30 – 11:30

Theme: “ICT Education, E-learning & Local Content in Developing Countries, Part I”

Chair: Dr. Nega Alemayehu, GSTIT

1. “E-Learning, Transforming Education of the Future”, Gabriel Fuster, Balearic Islands University, Cisco Learning Institute Eco Partner Cisco, USA.
2. “Localize or be Localized: An assessment of Localization framework,” Daniel Yacob, GeezFrontier Foundation, Washington DC, USA.

Coffee Break 10:00 – 10:30

4. “Local Content Development in Ethiopia: Status and Trends.” Amaha Diana, IR, Addis Ababa, Ethiopia.
5. “The concept of a flexible authoring and learning environment.” J. Wittman, D. Moller, University of Hamburg, Germany.
6. “The Prospects and Challenges to Promote E-Learning in Developing Countries: A Case Study of Ethiopian Higher Education”. Berhanu Beyene, University of Hamburg, Germany.
7. “Development of a Web-based multilingual resource for equal access to ICT education in South Africa,” L. Dalvit, S. Murray, A. Terzoli, X. Zhao., Rhodes University, South Africa.

Discussion: 11:30 – 12:00

Lunch Break 12:30 – 13:30

Day-2 Afternoon Session

Session IV **14:00 – 16:00**

Theme: “*The Role of Management in ICT Development*”

Chair: Dr. Tilahun Teklu, Addis Ababa University

1. “The Role and Responsibility of Managers for the Development and Expansion of ICT.” Alazar Ahmed, Commercial College, Addis Ababa University, A.A.Ethiopia.
2. “Key challenges/factors in the implementation and integration of ICT in education system of developing countries.” Abebe Feleke Seyoum, ENSCHEDE, Netherlands.
3. “Gender Studies and Internet Portal in the Universities”, A. Bahta, S. Utsumi, University of Hamburg, Germany.

Coffee Break **14:45 – 15:15**

4. “Telecommunication and Development in Ethiopia”, Abraham Tesfaye, Senior EMR Officer, Commercial Bank of Ethiopia, Addis Ababa, Ethiopia.
5. “The Role of Top Management in ICT Assimilation: A framework for countries with Developing Economies.” Dr. Solomon Negash, CSITD, Kennesaw State University, USA.

Discussion: **15:45 – 16:45**

Day-3 October 21, 2004

Keynote Address IV **9:00 – 9:30**

“ICT Education and Development”, Vice Minister, Ministry of Education

Coffee Break **9:30 – 10:00**

Special Session: *The GSTIT Curriculum Development*..... **10:00 – 11:30**

Chair: Dr. Demissu Gemedu, Addis Ababa University

Prelude: *The Quality Control Group*

1. ***The Telecommunication Engineering Curriculum Development,***
Dr. Enyew Adugna, Faculty of Technology, Addis Ababa University, Ethiopia.
2. ***The Information Technology Curriculum Development,***
Dr. Yirsaw Ayalew, Faculty of Informatics, Addis Ababa University, Ethiopia.
3. ***The Telecommunications Management (MBA) Curriculum Development,***
Dr. Tilahun Teklu, Faculty of Business and Economics, Addis Abeba University, Ethiopia.

Discussion **11:30 – 12:30**

Lunch Break..... **12:30 – 13:30**

Day-3 Afternoon Session:

Session V **14:00-15:00**

Theme: “*ICT Education, E-learning & Local Content in Developing Countries, Part II*”

Chair: Dr. Tesfaye Bayou, AAU & Solatec Plc., Addis Abeba, Ethiopia

1. “E-Education: Enhanced By Content Delivery Networking,” Cynthia Kotze, Business Connexion, South Africa.

2. "Establishing Global University System in Ethiopia (GUS)." T. Utsumi, T. Teshome, B. Beyene, Global University System, Debub University, Hamburg University.
3. Multimedia Communication & Wireless Networking technology for E-Learning in Developing Countries, E. Staikoulas, B. Beyene, University of Hamburg, Germany.
4. "Strategies for use of ICT in Educational Institutions", Dr. Baharul Islam, Technology Promotion Council, Consultant UNECA, AA, Ethiopia.

Coffee Break **15:00 – 15:30**

Poster Session VI **15:30 – 16:30**

Theme: "ICT Technologies and Services for Developing Countries"

Chair: Dr. Fisseha Mekuria, GSTIT, A.A., Ethiopia

1. "An Exploratory Survey on the Challenges and Prospects of Wireless Telecommunication Technology in Ethiopia," Getnet Eshete, Regional Manager, Northeastern Telecommunications Corporation, Dessie, Ethiopia.
2. "GSM Wireless network planning method," Mr. Lin Ning, ZTE Corporation, China.
3. "National Meteorological Services Agency: ICT Need and Application for Meteorological Services," Dula Shanko & Dr. Abebe Yeshanew, National Meteorological Services Agency, A.A., Ethiopia.
4. "Intelligent Acquisition of Products and Services for Information Technology", Woldeloul Kassa and Dawit Birhanu, Cisco, USA.
5. "Survey of Current Efforts and Potentials in Application of Telemedicine in Ethiopia", F. Lemma, S. Atnafu, S.K. Kassegne, AAU & University of California at Irvine, USA.
6. "Creating Information Access in Ethiopia," Dr. Hashim Ahmed, Consultant, AAU.
7. "Application of Emerging ICT in Livestock Marketing in Eastern Africa.", Dr. Abdi Jama, Links GLCRSP, Texas A&T University, USA.
8. "HERMES: sHort EmeRgency Medical Summary," D. L. Janáriz, G. F. Martínez, B. Cifre, Universitat de les Illes Balears d'Innovació I Spain.
9. "Optimized Design of a Wireless Infrastructure for ICT enabled Education in developing Countries." Dr. S.K. Sarma, Dept. of CSIT Debub Univ., Ethiopia.

Closing **16:30 – 17:00**

Special Events:

Exhibition of Solutions & Products by Different ICT providers:

Platinum, Gold, Silver & Bronze Sponsors

Day1, October 19, 2004, at 18.00 Exhibitors Sponsored

Cultural Evening!!!

Web Registration: www.ictes2004-gstit.edu.et