

Presenting African Decision-Makers and Educators with New Opportunities...

Three great seminars to choose from!

ICT and Educational Reform in Sub-Saharan Africa

Learn how to design a roadmap to reform educational systems with ICT (increase efficiency and transparency of administration) and for ICT (transform current systems to allow implementation of new learning tools)

Explore various issues related to successful national and regional educational systems (infrastructure, human resources, funding and coordination of initiatives)

Develop realistic and sustainable plans and models adapted to local realities and supported by all stakeholders

ICT and Educational Content Development

Examine critical issues related to the development educational content

Learn essential principles of instructional design, best practices and effective project management

Discover cost-effective development tools, techniques, and platforms for widespread usage by learners and teachers

Innovative and Affordable Solutions for Hardware, Software and Power

Explore new tools and strategies to solve computing, connectivity and power supply issues

Learn how to implement these solutions in a sustainable and cost-effective manner

Connect with foreign providers of innovative tools and begin the discussion on the development of similar local alternatives

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New Ideas
New Tools and Technologies
New Strategies and Techniques
New Content Design Models
New Internet Connectivity Solutions
New Teacher Training Models
New Power Supply Solutions
New Ultra-Low Power Computers
New Sustainability Models
New Teachers
New Students

S-1: ICT and Educational Reform in Sub-Saharan Africa

Information and Communication Technologies (ICT) can enhance the power and potential of learning in the Sub-Saharan Africa. However, the past decade has been characterized by uncoordinated and scattered initiatives led by organizations (local and international) and governments. The poor results of these initiatives and recent studies point to the necessity of educational reform to allow the sustainable and successful implementation of ICT policies in education.

This symposium will propose a roadmap for educational reform led by ICT and for ICT in education. It will offer concrete ideas, analyze critical issues and solutions tailored for national and regional specificities. The symposium will help participants to discern the premises underlying various policies, to participate effectively in the policy process, and to understand the potential and limitations of policy.

Topics include:

- Coordination of ICT initiatives (various ministries/government entities, NGOs, international organizations)
- Establishment of national or regional ICTE policy databases
- Development ICTE standards for students and teachers
- Development of ICT training in Teacher Colleges
- Development ICT Training in-service
- Creation of ICT professionals in the education sector
- Models to move from project-led to policy-led (public and private intervention)
- ICT as a tool for efficiency in the education sector (decentralization, management and data handling)

Facilitator: Senam Beheton

With an education in law, political science, international development and instructional technology, Senam has a gift for understanding the challenges related to education and professional development in developing countries. He speaks English, French and Spanish fluently.

In the U.S., Senam consulted for the Institute for Reproductive Health at Georgetown University (Standard Days Method), African American Institute, AMEX International, Academy for Educational Development, ACIDI VOCA and several U.S. government agencies. He also worked for the governments of Benin and Chad, and several organizations and businesses in Africa.

Senam has many years of experience helping others with planning, needs assessment, design, development and evaluation of technology-based learning and teaching. His work includes the design of strategies for ICT integration in middle schools in Senegal and the design and development of an E-learning platform for teachers in Arlington, VA.

Senam's formal education includes the following: DEUG in Law, BA in Political Science (summa cum laude), BA in French (summa cum laude), MA in International Development and M.Ed in Instructional Technology (Phi Kappa Phi Honors Society).



Our speakers and facilitators have on average ten years of experience in educational technology and design. They will help you confront issues related to ICT in education and find creative and innovative solutions for your challenges.



S-2: ICT and Content Development in Sub-Saharan Africa

The issue of educational content development is a crucial one for the effective and successful implementation of ICTE in Sub-Saharan Africa. The current situation is marked by the absence of locally developed materials linked to the curriculum, the reliance on web-based materials from abroad and the inexistence of evaluation mechanisms. Developing new materials or digitizing existing ones is a process that requires planning, time, expertise and coordination.

This seminar will provide participants with valuable insights on content development, best practices, design principles and examples of good and poor design and cost-effective design and development applications.

Topics include:

- Principles of instructional design
- Digitization of existing materials
- Development of content for offline support
- Mass production of ICT materials
- Use of open-source and free applications for content development
- Multimedia in content development
- Simulations and games
- Instructional material databases
- Educational portals

Facilitator: TBD

The need for digital learning materials relevant to local curricula is becoming more urgent as ICT becomes integrated into the teaching process across the curriculum.

Survey of ICT and Education in Africa 2007
The World Bank



S-3: Innovative and Affordable Solutions for Software, Hardware and Power Supply

Large corporations and small but visionary social entrepreneurs have finally captured the need for cost-effective solutions for the computing and connectivity needs of developing countries. New technologies such as low-power computers, processor sharing and extension devices, low-cost laptops and computers, off-the grid power alternatives and revolutionary internet connectivity options are now available and able to reduce acquisition and total ownership costs by up to 50 percent. In addition, reliable open-source and free applications can now eliminate software expenditures and licensing issues.

This seminar will explore various solutions for computing, power supply and connectivity. It will examine pros and cons of available solutions and issues related to their deployment in Sub-Saharan Africa.

Topics include:

- Implementation of low-power computing
- Implementation of processor sharing and terminal access
- Solar and alternatives off-the-grid power solutions
- Wireless mesh networks
- Mobile and easily deployable computer labs
- Linux vs. Windows: Operating System Issues
- Sustainability solutions beyond implementation

Facilitator: TBD

Access to a reliable supply of electricity is a general problem but is particularly severe in rural areas because of the difficulty of connecting to national electrical grids. There is also a general lack of human resource capacity to provide ICT training and equipment servicing.

Survey of ICT and
Education in Africa 2007
The World Bank



Related Seminar Workshops

Workshops offer participants an opportunity to develop specific new knowledge, skills, and expertise. An experienced facilitator will lead each workshop and will guide participants through the material so they can return to their institution ready to implement the new strategies, techniques and practices they have learned.

W-1: Transferring existing curriculum materials using Adobe Capture

Few students in sub-Saharan Africa are able to purchase the textbooks and related workbooks needed to do well in class. It is therefore important to find low-cost alternative to expensive books. Digitizing existing materials and enhancing them with multimedia for distribution on CD or DVD and on the internet would allow more students to have quality content materials at a fraction of the current cost. This workshop will provide participants with hands-on skills and practice working with basic and advanced features of Adobe Capture. They will use the software to convert textbooks into searchable PDF format. They will get advice on scanning and conversion techniques as well as strategies to finalize their projects for offline (CD or DVD and databases) and online use by students and teachers.

W-2: Creating Effective and Engaging Educational Content Using PowerPoint

This workshop provides participants with skills to develop cost-effective learning materials using Microsoft PowerPoint. It will explore how to storyboard, convert, package and deploy interactive and multimedia educational content using PowerPoint. Participants will learn how to overcome PowerPoint limitations, design interactive games and pedagogically engaging content. They will receive a CD-ROM with resources including game models, role-based simulations, templates and more.

W-3: Principles of Instructional Design

This workshop introduces participants to the foundations of effective instructional design. Learners will learn how to effectively plan, design, develop, evaluate and manage instructional content. This workshop covers elements of instructional design including needs assessment, instructional problems, learners characteristics, task analysis, learning objectives, content sequencing, instructional strategies, instructional delivery, evaluation instruments, instructional resources (media selection), formative evaluation, project management and summative evaluation.

W-4: Administration of ICTE initiatives: Planning, Budgeting and Evaluation

This workshop provides an overview of the administration of ICT in primary and secondary education in sub-Saharan Africa. The impact of technology in schools is explored from a variety of perspectives, including access, planning, budgeting, maintenance, and life cycle management at the classroom, school, and district levels. Criteria for making decisions about technology are developed and evaluated. A particular emphasis is placed on knowledge and skills schools systems can use to acquire technology, including grant writing and public private-sector partnerships.

Sample Schedule

Sunday, :

3:00p – 7:00p Registration and Information Desk

Monday, : Seminar 1

7:00a – 8:45a Registration and Information Desk

7:00a – 8:45a Continental Breakfast

9:00a – 10:30a Opening General Session with Keynote Speakers

10:30 – 11:55a Break

11:00a – 1:00p Featured Seminar

1:05p – 2:55p Lunch

3:00p – 5:30p Related Workshop

Tuesday, : Seminar 1

7:00a – 8:30a Information Desk

7:00a – 8:45a Continental Breakfast

9:00a – 12:00p Featured Seminar

12:05p – 1:55p Lunch

2:00p – 5:30p Related Workshop

Wednesday, : Seminar 2

7:00a – 8:30a Information Desk

7:00a – 8:45a Continental Breakfast

9:00a – 12:00p Featured Seminar

12:05p – 1:55p Lunch

2:00p – 5:30p Related Workshop

Thursday, : Seminar 2

7:00a – 8:30a Information Desk

7:00a – 8:45a Continental Breakfast

9:00a – 12:00p Featured Seminar

12:05p – 1:55p Lunch

2:00p – 5:30p Related Workshop



Who Should Attend?

These seminars are designed for decision-makers and educators involved in the design, development, production, implementation, acquisition and management of educational technology. They include...

Ministry of Education Professionals

Technical Advisors

Specialty Inspectors

Academy Inspectors

Project Managers

Computer Training Managers

Learning Practitioners

Instructional Designers

E-learning Developers

IT Coordinators

Education Specialists

Training Specialists

Curriculum Development Specialists



**The Future of Education
is here**

