

THE EAST AFRICAN  
**FIBRE**  
SUMMIT

**Conference & Exhibition**

Laico Regency Hotel, Nairobi  
22-23 September 2009

*Building human capacity for the region's new fibre era*

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An AITEC Africa Event




CONFERENCE PROGRAMME

Day 1 – Tuesday 22 September 2009

<p>9am</p>	<p><b>Conference Opening</b></p> <p><b>Welcome Address</b> Sean Moroney, Chairman, AITEC Africa</p> <p><b>Opening Address</b> Dr Bitange Ndemo, Permanent Secretary, Ministry of Information &amp; Communications, Kenya</p> <p><b>Now we have international fibre links, where do we go from here?</b> Anders Comstedt, Consultant, Sweden</p>
<p>10.30am</p>	<p><b>Refreshment Break</b></p>
<p>11am</p> <p>MODERATOR:</p>	<p><b>SESSION 1: Deployment of bandwidth for services at the local level</b></p> <p><b>Fibre: It doesn't end with fibre</b> Saheel Shah, Consultant, Technology Integration, Deloitte Consulting, Kenya The topic revolves around the question of what to do strategically now that the fibre optic cable is here. It will help businesses answer the question of how does one develop N IT strategy and then merge it with your business strategy. How can an organization take advantage of fibre-based communication capacity.</p> <p><b>Leveraging national fibre backbones to serve rural communities: Lessons from the Wami pilot project in Tanzania</b> Muriuki Mureithi, CEO, Summit Strategies, Kenya The Wami project is a rural water project with fibre built into the project to serve water management needs. The community leveraged the excess capacity to provide ICT services in the area. The experience provides important lessons on how rural communities can proactively work with fibre owners to create symbiotic partnerships for the benefit of all. It also provides a framework for contributions by other stakeholders.</p> <p><b>The role of terrestrial fibre in the data era</b> Henk Basson, Business Development Executive, Africa, Community Investment Ventures Holdings, South Africa. Arrival of marine connectivity and 3G has necessitated terrestrial fibre. Professional installation is capital intensive, resulting in the need for sharing of infrastructure on a commercially viable basis.</p>
<p>1pm</p>	<p><b>Lunch</b></p>
<p>2.30pm</p> <p>MODERATOR: Anders Comstedt</p>	<p><b>SESSION 2: Panel Discussion – Now that we have plentiful international bandwidth in the cities, how are we going to connect the rest of the region?</b></p> <p>PANELISTS:</p>



4pm	<b>Refreshment Break</b>
4.30pm  MODERATOR: Jose Murta, MD, Exi, Moçambique	<p><b>EXECUTIVE MANAGEMENT TUTORIAL 1: Cost-modeling for OSP projects</b></p> <p>David Rottmayer, President and CEO, Unicorn Communications, USA</p>  <p>David Rottmayer has over 30 years in the telecommunications industry, during which time he started two companies of his own: one telecommunications consulting company (Unicorn Communications) and another a FTTP teleco (Ganesa Telecommunications). In addition he has been involved in the design, build, and operations of five other telcos.</p>
6.30pm	<b>Networking Cocktail Reception</b>

## Day 2 – Wednesday 23 September 2009

9am  MODERATOR: Dr Alcido Nguenha, Chairman, Capitel, Moçambique	<p><b>SESSION 4: Rising to the challenge of managing increased bandwidth &amp; content development</b></p> <p><b>Developing a national web content strategy</b> Joseph Waruingi, MD, Advantech Consulting, Kenya</p> <p>In the traditional e-commerce portals and web content design process, content requirements definition happens as information architecture develops. In theory, this should successfully set the stage for content development. However, once content development actually begins, projects often implode. Content is late, poorly written, disorganized, and almost never user-focused. The list goes on. Most of us secretly believe that, when it comes to content, this is just the way it goes. But it doesn't have to. When we integrate a more fully realized content strategy process into our web content design process, we give writers and reviewers the tools they need to get the job done right the first time, on time. In this presentation, Joseph offers step-by-step ideas on how to integrate content strategy into the design process. He demonstrates how a content strategist can bridge the gap between content requirements and successful content creation.</p>
10.30am	<b>Refreshment Break</b>



<p>11am MODERATOR:</p>	<p><b>SESSION 4: Business models and governance for fibre roll-out</b></p> <p><b>Public-funded open access fibre networks: Panic or panacea</b> Abdirahman Omar Sheikh, CEO, Soliton Telmec, Kenya It is not in dispute that affordable communications can spur growth in all areas of economic activity and provide tremendous improvements in the delivery of services in education, health and government. Indeed, it now an established fact that affordable and ubiquitous broadband presents an engine for innovation and growth. This fact has now raised the interest of Governments and policy makers – that traditional vertically integrated telecommunications companies might not meet the requirements of both ubiquity and affordability. Open access networks have been promoted in various countries in order to fill the perceived gaps left by traditional service providers. The focus has been almost exclusively on fibre optic networks. Authentic open access fibre networks, however, are very rare. This presentation will discuss models of open access networks and present ideas on maximizing the utility of public-funded networks.</p> <p><b>Regulating broadband to spur development</b> Nzioka Waita, Head of Legal &amp; Regulatory Affairs, Corporate Affairs Division, Safaricom, Kenya</p> <p><b>Conclusions</b> Anders Comstedt, Consultant, Sweden</p>
<p>1pm</p>	<p><b>Lunch</b></p>
<p>2.30pm</p>	<p><b>EXECUTIVE TUTORIAL 2: The role of optical fibre in telecommunications systems in relation to long-haul, high data-rate networks</b></p> <p>Jabulani Dhliwayo, Worldwide Application Engineer, Corning Optical Fibre, South Africa</p> <p>Important attributes for high data rate, long haul fibre</p> <ul style="list-style-type: none"> <li>Attenuation</li> <li>Chromatic dispersion</li> <li>Polarization mode dispersion</li> <li>Four wave mixing</li> </ul> <p>Basics of optical communication</p> <ul style="list-style-type: none"> <li>Communication network trends and opportunities</li> <li>Types of communication networks</li> <li>Typical design for a long haul wavelength division multiplexed (WDM) Transmission</li> </ul> <p>Fibre for long haul and metro networks</p> <ul style="list-style-type: none"> <li>Single mode fibre standards</li> <li>Low dispersion Non Zero Dispersion Shifted Fibre (G.655)</li> </ul>



4pm	<b>EXECUTIVE TUTORIAL 3: OSP Design and Build for Quality</b> David Rottmayer, President and CEO, Unicorn Communications, USA
5pm	<b>Conference Closing followed by Refreshments &amp; Networking</b>

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