Youth Forum

Update Sessions

INVITATION

Information about ITU Telecom future events:
www.itu.int/itutelecom

ITU Telecom Asia 2002
2-7 December
Hong Kong, China

ITU Telecom Americas 2003
25-28 February
Buenos Aires, Argentina

ITU Telecom World 2003
12-18 October
Geneva, Switzerland

International Telecommunication Union
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Organized by
the International Telecommunication Union (ITU)

Hosted by the Republic of South Africa

ITU TELECOM
AFRICA2001
Johannesburg
12-16 November

TELECOM
MEET THE FUTURE

Monday, 12 November 2001

Topic: THIRD GENERATION MOBILE (3G)

3G mobile networks were designed to introduce a true multimedia experience to the mobile environment. They are an example of planned convergence between IP (Internet Protocol) based core networks, broadband access, and mobile telephony. 3G networks are capable of supporting almost all Internet applications at access speeds similar to those used in fixed networks.

Despite the abundant experience with 2G (mobile telephony) networks, the transition to 3G networks is not at all straightforward and simple. There are still many unknowns – which 3G products and services will consumers prefer, how to make the best use of 2G experience in building 3G networks, where is the real value of 3G technology for developing countries, which tariff and billing models are the most appropriate, how to finance network build-out – that must be resolved before 3G can be successfully introduced in developing countries.

The principal objective of this session is to unveil the full potential of 3G networks as well as the implementation challenges most commonly encountered in developing markets.

SIEMENS

Tuesday, 13 November 2001

Topic: RURAL ACCESS (Let's see what Alcatel gives us on this)

Given the geographical, demographical and economic diversity of Africa, almost every available rural access technology has its place in the development of communications for African rural communities. Nevertheless, the rural environment has always been and still is extremely difficult for the deployment of cost-efficient up-to-date access networks, due mainly to insufficient financial resources and lack of local technical expertise. Fortunately there is a large variety of available narrowband as well as broadband rural access alternatives today: from wireline to wireless, from fixed to mobile. With an appropriate combination of these, it is always possible to satisfy the communication requirements of any particular rural environment in ways which are acceptable and safe for the future.

This session will present in detail the available rural access alternatives and compare them from technical and economic points of view. It will also discuss the main issues involved in the selection of the most appropriate solutions for a specific rural situation.

ALCATEL
ARCHITECTS OF AN INTERNET WORLD

	Monday 12 November	Tuesday 13 November	Wednesday 14 November	Thursday 15 November	
12.30	Presentation on Siemens (video)	Presentation on Alcatel EMAI (video)	Presentation on WorldSpace (video)	Presentation on INTELSAT (video)	12.30
12.35	Introduction of Mr Bob Van der Linden, Vice-President of Siemens Atea	Introduction of Mr Gérard Dega, President of Alcatel EMAI	Introduction of Mr Noah Samara, Chief Executive Officer of WorldSpace	Introduction of Mr Conny Kullman, Chief Executive Officer of INTELSAT	12.35
12.40	Welcome speech by Mr Bob Van der Linden, Vice-President of Siemens Atea	Welcome speech by Mr Gérard Dega, President of Alcatel EMAI	Welcome speech by Mr Noah Samara, CEO of WorldSpace	Welcome speech by Mr Conny Kullman, CEO of INTELSAT	12.40
12.45	Lunch		Lunch		12.45
13.30	From GSM to Third Generation Networks: an illustrated evolution	Presentation of a success story in Saint Louis, Senegal, where Alcatel has worked with students on the build-out of an Internet platform	WorldSpace satellite broadcasting for development. Concrete projects for Africa	INTELSAT connects Africa to the World	13.30
13.45	Debate with the students	Debate with the students	Debate with the students	Debate with the students	13.45

Wednesday, 14 November 2001

Topic: APPLICATIONS FOR RURAL COMMUNITIES

The real value of introducing telecommunication networks and capabilities into rural areas is the opportunities it offers for developing applications that improve the quality of life in such communities and narrow the differences in the quality of life between rural and metropolitan areas. Telemedicine and tele-education are undoubtedly extremely important in this respect. Also important are e-commerce applications promoting and facilitating the economic growth and welfare of rural communities in developing countries. Telecommunication applications that effectively address the social and economic requirements of rural communities additionally provide such communities, and their countries, with resources necessary for participating in the emerging global digital economy.

This session will be an opportunity for participants to obtain first-hand information about several attractive applications for rural communities, supported by IP-enabled technologies and the Internet. There will also be discussion about some of the common challenges experienced in implementing rural communication projects.

WORLDSPACE®

Thursday, 15 November 2001

Topic: SATELLITES

The role of satellites in telecommunications has changed after the failure of big LEO satellite systems to fullfil the expectations of investors as well as of potential users. Satellites are again seen more as an irreplaceable complement to worldwide communications, especially for areas which are either difficult to reach or scarcely populated or both.

In addition, the modern satellite communication systems offer the complete set of up-to-date communication services, from narrowband to broadband, from voice and video to Internet. This session will provide an overview of the communication potential of modern satellite systems as well as suggestions for their efficient use in an African environment.

Intelsat
inspiring connections