Telecom/ ICT in Ghana
- a longterm collaboration (1989-)

DDRN Public seminar:

South-North research cooperation at Aalborg University Copenhagen
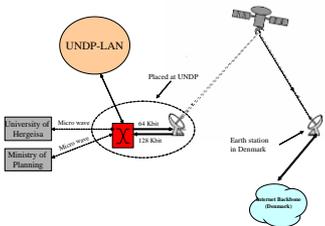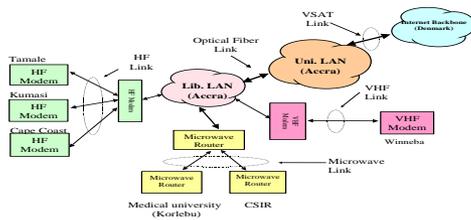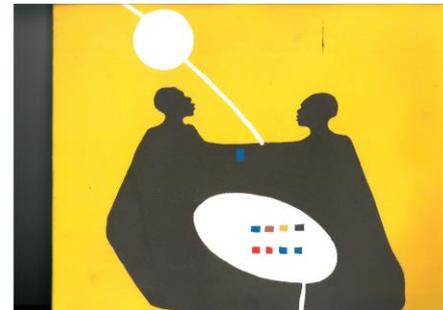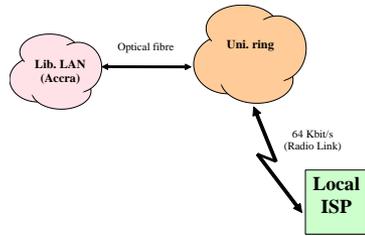
Thursday 23 May 2019

Knud Erik Skouby

CMI

AALBORG UNIVERSITET
Copenhagen

center for **CMI** Communication, Media and Information technologies

Science and Technology
Policy Research Institute (CSIR)

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH • GHANA •
CSIR

UNIVERSITY OF GHANA

INTEGRI PROCEDAMUS

GHANA TELECOM UNIVERSITY COLLEGE
ACADEMIC EXCELLENCE IN TELECOMMUNICATIONS

Lib. LAN (Accra)
Optical fibre
Uni. ring
64 Kbit/s (Radio Link)
Local ISP

VSAT Link
Internet Backbone (Denmark)
Optical Fiber Link
Uni. LAN (Accra)
HF Link
Tamale HF Modem
Kumasi HF Modem
Cape Coast HF Modem
HF Modem
Lib. LAN (Accra)
VHF Modem
VHF Link
VHF Modem
Winneba
Microwave Router
Microwave Link
Microwave Router
Microwave Router
Medical university (Korlebu)
CSIR

UNDP-LAN
Placed at UNDP
University of Hergeisa
Micro wave
64 Kbit
128 Kbit
Ministry of Planning
Micro wave
Earth station in Denmark
Internet Backbone (Denmark)

Prof. Knud Erik Skouby Member

The Technology Assessment Project
University of Ghana

Presents a Policy Forum (Roundtable Discussion) on

The Telematics Scene in Ghana IV:
E-GOVERNANCE

Lead Speakers and Topics:

Dr. Amos Anyimadu Technology Assessment Project University of Ghana	The Challenge of Electronic Governance in Ghana: A Comparative, Strategic Perspective
Honourable John Mahama, M.P. Member of Parliamentary Committee on Communications and Former Minister of Communications, Ghana	The Challenge of Electronic Governance in Ghana: A Retrospective Perspective
Mr. E. Dufu Network Manager, CeNET, Office of the Central Regional Coordinating Council, Cape Coast	The Challenge of Electronic Governance in Ghana: A Regional, Technical Perspective
Professor Knud Erik Skouby, Director, Center for TeleInformation, Technical University of Denmark & Co-Coordinator, Technology Assessment Project AND Madam Ida Marck Municipality of Copenhagen, Denmark	Electronic Governance Initiatives at the National and Local Levels in Denmark

Date: Monday, 26 March, 2001
Time: 5:00PM
Venue: ASDR* Offices, North Legon
Information: 510515, 024 379 024, amos@cdi.dtu.dk
*= African Security Dialogue and Research
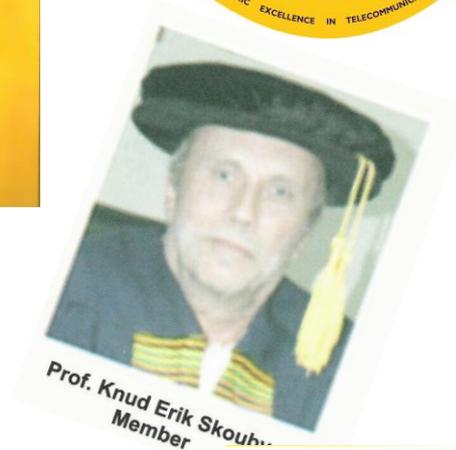
William, Idongesit

MICT Postgraduate Programme

Ghana Telecom University College (GTUC) is the place to be.

I am pursuing the Masters in Information Communication Technology (MICT) Programme, at the Graduate School of GTUC and I must say that it is a programme like none other.

Institutions

People

Period I (1989- 2003)

ENRECA based (partly)

1. TTC (PORSPI, STEPRI)

2. Univ of Ghana, Legon

Period II (2005-)

No DANIDA finances

3) GTUC

- ○ People, through-going
  - Morten Falch
  - Anders Henten
  - Reza Tadayoni
- ○ 'Other'
  - CMI staff
 - Teachers, DTU incl Erik Baark & 'Energy Group'
  - TAP, DTU

Periode I (1) Technology Assessment in Ghana: Building Capabilities

○ TTC (PORPI, STEPRI)

- Two aspects: 'energy'; IT/ telecom
- Surveys, research reports – DK researchers at TTC
- TTC staff in DK: competence upgrade/ master studies
- 1st spin off: colleaboration with DK Savings Banks assoc incl 'training of trainers

○ Clash with the TTC Director

- 2 issues
  - ○ 'the Director'
  - ○ Inexperience in the Danish team

○ Transfer to University of Ghana, Legon 1992

Period I (2)

UNIVERSITY OF GHANA
INTEGRI PROCEDAMUS

- ○ Dept of Physics prime collaborator
  - ● 'Some' interest for energy – solar/ wind
    - ○ Minor projects
  - ● Limited interest/ capacity for IT/ telecom
  - ● 'Main topics'
    - ○ Per diems/ project car
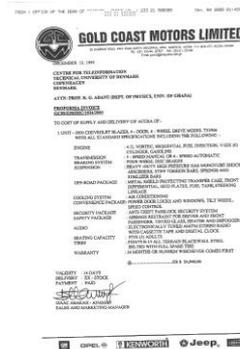
  - ● 'energy pulled out'

Period I (2 cont.)

○ From 1994/ 95 'only' ICT – limited evironment

- 'stand alone', one semester courses in Network Management

○ Turning point: Sadowski report to USAID
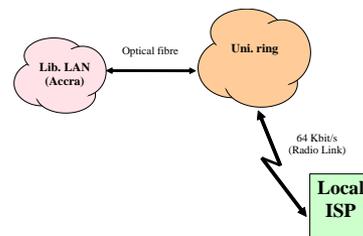
○ Followed by DK Embassy grant to 'uni ring'

Period I (2 cont.)

o New level: contact to IFLA/ library project

UNIDO net i Hargeisa

Period I (2 cont.)

- The ENRECA project extended/ renewed – based on the spin off's (1998- 02/ 03)
  - Invigorated as TAP

- The Uni-net rolled out – established as 'REN'
- Acknowledged in Ghana

Period II

- No DANIDA financing after 2004
- Approached by GTUC
- MoU 2005 to establish Master programme
- MICT (1) 2006: 16 stud's

William, Idongesit

MICT Postgraduate Programme

Ghana Telecom University College (GTUC) is the place to be.

I am pursuing the Masters in Information Communication Technology (MICT) Programme, at the Graduate School of GTUC and I must say that it is a programme like none other.

- MICT (2) 2008: 15 stud's

Period II (cont.)

○ PhD programme
- 10 PhDs enrolled – arrive in DK 2010
- 12 PhDs graduated
- 7 in the pipeline

○ Substantial/ the biggest ICT programme in Ghana

○ Graduates in 'high level positions'

center for **CMI** Communication, Media and Information technologies

Conclusion

After start-up
evaluation

Non-insignifi

1. Implemen
research

2. Implemen
an 'early

3. Promotion

Evaluat
in Orga

Albert Gyamfi and I

Albert Gyamfi

River Publishers Series in Communicati

HANDBOOK ON ICT IN DEVELOPING C

NEXT GENERATION ICT TECHNOLO

Knud Erik Skouby, Idongesit Williams and Albert G

WIRELESS WORLD
RESEARCH FORUM

WIR

Rive