User involvement in the innovation process: In a mobile service and application development perspective

User involvement in the innovation process is not a new phenomenon. However, combined with the growing individualisation of demand and with highly competitive and dynamic environments, user involvement in the innovation process and thereby in the design, development, and manufacturing process, can nevertheless provide a competitive advantage. This is the case as an intensified user involvement in the innovation process potentially results in a more comprehensive understanding of the user needs and requirements and the context within which these are required, and thereby provides the possibility of developing better and more suitable products. The theoretical framework of this thesis is based on user involvement in the innovation process and how user involvement in the innovation process can be deployed in relation to deriving and collecting user needs and requirements, and thereby serves as a foundation for developing better and more supportive service and application concepts within the information and communication technology domain. Three interrelated research areas are deployed within the theoretical framework, which combined constitute and highlight the intertwined and complex interaction of people and their use of information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks. The mobile system requirement perspective is related to providing a more user oriented research approach, which historically has not been the case. The mobility perspective is related to categorising and conceptualising the term mobility in a combined user need and requirement perspective and service and application development perspective. The Personal Network concept perspective is seen in relation to the introduction of new information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks. The mobile system requirement perspective is related to providing a more user oriented research approach, which historically has not been the case. The mobility perspective is related to categorising and conceptualising the term mobility in a combined user need and requirement perspective and service and application development perspective. The Personal Network concept perspective is seen in relation to the introduction of new information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks. 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The mobility perspective is related to categorising and conceptualising the term mobility in a combined user need and requirement perspective and service and application development perspective. The Personal Network concept perspective is seen in relation to the introduction of new information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks. The mobile system requirement perspective is related to providing a more user oriented research approach, which historically has not been the case. The mobility perspective is related to categorising and conceptualising the term mobility in a combined user need and requirement perspective and service and application development perspective. The Personal Network concept perspective is seen in relation to the introduction of new information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks. The mobile system requirement perspective is related to providing a more user oriented research approach, which historically has not been the case. The mobility perspective is related to categorising and conceptualising the term mobility in a combined user need and requirement perspective and service and application development perspective. The Personal Network concept perspective is seen in relation to the introduction of new information and communication technologies: mobile system requirements, mobility, and the concept of Personal Networks.
Det danske telemarkeds udvikling, 1998-2007

**General information**
- **State:** Published
- **Organisations:** CICT, Department of Informatics and Mathematical Modeling
- **Authors:** Falch, M. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern), Tadayoni, R. (Intern)
- **Number of pages:** 70
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- **Publisher:** Center for Information and Communication Technologies (CICT), IMM, DTU
- **Original language:** Danish
- **Series:** CICT Working Paper
- **Number:** 119
- **Main Research Area:** Technical/natural sciences
- **Electronic versions:** Working Paper 119.pdf
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IPTV regulation: Challenges of the new era

**General information**
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- **Authors:** Tadayoni, R. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
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**Bibliographical note**
- **CD-ROM**
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Mobile TV: technology, market development, business models and regulatory challenges

**General information**
- **State:** Published
- **Organisations:** CICT, Department of Informatics and Mathematical Modeling
- **Authors:** Tadayoni, R. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
- **Publication date:** 2007
Host publication information
Title of host publication: The 10th International Symposium on Wireless Personal Multimedia Communications: WPMC 2007
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Mobile TV regulation in Europe

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State: Published
Organisations: CICT, Department of Informatics and Mathematical Modeling
Authors: Henten, A. (Intern), Tadayoni, R. (Intern), Skouby, K. E. (Intern), Falch, M. (Intern)
Publication date: 2007

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Title of host publication: Mobile Media: Proceedings of the 4th International CICT Conference
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Publisher: Technical University of Denmark (DTU)
ISBN (Print): 978-87-90288-02-0
Series: International CICT Conference
Main Research Area: Technical/natural sciences
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Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Module 7: New Technologies and their Impact on Regulation: Executive Summary

General information
State: Published
Organisations: CICT, Department of Informatics and Mathematical Modeling
Authors: Falch, M. (Intern), Henten, A. (Intern), Melody, W. H. (Intern), Skouby, K. E. (Intern), Tadayoni, R. (Intern)
Number of pages: 52
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Publication information
Publisher: infoDev and ITU
Original language: English
Series: New technologies and their impact on regulation
Number: Module 7
Main Research Area: Technical/natural sciences
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Source-ID: 208746
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Research and Education Network in Ghana: Promoting ICT in developing countries through research cooperation

General information
State: Published
Organisations: CICT, Department of Informatics and Mathematical Modeling
Authors: Tadayoni, R. (Intern), Skouby, K. E. (Intern)
Number of pages: 224
Pages: 122-131
Publication date: 2007
New Media and Trade Policy

General information
State: Published
Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 386-404
Publication date: 2006

Host publication Information
Title of host publication: The Handbook of New Media: Updated Student Version
Place of publication: London
Publisher: Sage
Editors: Lievrouw, L., Livingstone, S.
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 192094
Publication: Research - peer-review › Journal article – Annual report year: 2006

Regulation of Local Loop Access: Infrastructure versus Service Competition in the Fixed Broadband Access: The Case of Denmark

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Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering
User-centric Scenarios: Status of WWRF Reference Scenarios

General information
State: Published
Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering
Authors: Sørensen, L. (Intern), Skouby, K. E. (Intern)
Publication date: 2006

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Title of host publication: WWRF Meeting
Main Research Area: Technical/natural sciences
Conference: WWRF Meeting, Heidelberg, November 15-17, 01/01/2006
Source: orbit
Source-ID: 193044
Publication: Research - peer-review › Article in proceedings – Annual report year: 2006

A user centric perspective on next generation wireless communication: - focusing on the requirements for safety and reliability

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Skouby, K. E. (Intern), Sørensen, L. (Intern)
Publication date: 2005

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Title of host publication: Proceedings of IWS 2005/the International Symposium on Wireless Personal Multimedia Communications WPMC ’05
Main Research Area: Technical/natural sciences
Conference: IWS 2005/the International Symposium on Wireless Personal Multimedia Communications WPMC ’05 : 18-22 September, Aalborg, Denmark, 01/01/2005
Source: orbit
Source-ID: 182434
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Bredbåndsmarkedet i Danmark: - status og perspektiver

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Tadayoni, R. (Intern), Henten, A. (Intern), Falch, M. (Intern), Skouby, K. E. (Intern)
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Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
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Publication: Research - peer-review › Report – Annual report year: 2005

Case Study on Somaliland, in the Framework of the WDR Project

General information
State: Published
Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering
Authors: Skouby, K. E. (Intern), Tadayoni, R. (Intern)
Final user requirements for the PN service architecture

General information
State: Published
Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering, Aalborg University
Authors: Olesen, H. (ed.) (Intern), Jiang, B. (Intern), Schultz, N. (Intern), Sørensen, L. (Intern), Saugstrup, D. (Intern), Skouby, K. E. (Intern), Pedersen, C. (Ekstern), Larsen, L. (Ekstern), Björksten, M. (Ekstern), Kaldanis, V. (Ekstern), Prasad, R. (Ekstern), Olséni, C. (Ekstern), Roswall, R. (Ekstern), Vila, J. (Ekstern)
Publication date: 2005

Publication information
Original language: English
Series: MAGNET project, D1.1.1c
Number: IST-507102
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 185192
Publication: Research - peer-review › Report – Annual report year: 2005

From User Requirements to System Requirements: The MAGNET Approach

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Saugstrup, D. (Intern), Sørensen, L. (Intern), Schultz, N. (Intern), Skouby, K. E. (Intern), Olesen, H. (Intern)
Pages: 1953-1957
Publication date: 2005

Host publication information
Title of host publication: Proceedings of the 8th International Symposium on Wireless Personal Multimedia Communications WPMC '05
Volume: CD-ROM
Main Research Area: Technical/natural sciences
Links:
http://www.iws2005.org
Source: orbit
Source-ID: 182253
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Personal network (PN) applications

General information
Public service broadcasting and digitalisation: based on case studies of the UK and Danish Markets

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Tadayoni, R. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
Publication date: 2005

Host publication information
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Volume: CD-ROM
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 182436
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Regulation of local loop access: Infrastructure versus service competition in fixed broadband access: The Case of Denmark

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Publication date: 2005

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Title of host publication: ITS Europe Conference
Volume: CD-ROM
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 182433
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Regulation of Local Loop Access: Infrastructure versus Service Competition in Fixed Line Access: The Case of Denmark

General information
State: Published
Organisations: Center for Information and Communication Technologies, Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 21
Publication date: 2005

Publication information
Place of publication: Kongens Lyngby
Publisher: CICT, COM.DTU, DTU
Original language: English
Series: CICT Working Papers
Number: 105
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 188212
Publication: Research - peer-review › Report – Annual report year: 2005

Second report on the multi-technological analysis of the 'broadband for all' concept, focus on the listing of multi-technological key issues and practical roadmaps on how to tackle these issues

General information
Taking "MAGNET" Beyond: Developing a wireless future addressing user and business perspectives

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Sørensen, L. (Intern), Skouby, K. E. (Intern)
Publication date: 2005

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Title of host publication: Proceedings of IWS 2005/the 8th International Symposium on Wireless Personal Multimedia Communications WPMC '05
Main Research Area: Technical/natural sciences
Conference: IWS 2005/the 8th International Symposium on Wireless Personal Multimedia Communications WPMC '05 : 18-22 September, Aalborg, Denmark, 01/01/2005
Source: orbit
Source-ID: 182435
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Techno-economic evaluation of broadband access technologies: The BREAD approach

Broadband for all is an essential element in the EU policy concerning the future of ICT-based society. The overall purpose of this paper is to present a model for evaluation of different broadband access technologies and to present some preliminary results based on the model that has been carried out within the BREAD project.

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Sigurdsson, H. M. (Intern), Skouby, K. E. (Intern)
Publication date: 2005

Host publication information
Title of host publication: Proceedings of the 8th International Symposium on Wireless Personal Multimedia Communications WPMC'05
ISBN (Print): 87-90834-42-8
Series: The International Symposium on Wireless Personal Multimedia Communications
Main Research Area: Technical/natural sciences
Links:
http://www.viskan.net/phd/publications.php
Source: orbit
Source-ID: 182651
Publication: Research - peer-review › Article in proceedings – Annual report year: 2005

Broadband for All: Drivers and Barriers

General information
State: Published
Draft user requirements for PN to drive the definition of a valid architecture

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Olesen, H. (ed.) (Intern), Schultz, N. (Intern), Skouby, K. E. (Intern), Schou, S. (Intern), Jiang, B. (Intern)
Number of pages: 64
Publication date: 2004

Publication information
Original language: English
Series: IST project MAGNET (My personal Adaptive Global Net)
Number: WP1 D1.1.1a
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 23993
Publication: Research - peer-review › Report – Annual report year: 2004

First combined report on the multi-technological and multi-disciplinary analysis of the 'broadband for all' concept

This report is the first deliverable of the FP-6 project "Broadband in Europe for all: a multi-disciplinary approach project (BREAD)". It is a combined deliverable on the multi-technological and multi-disciplinary analysis of the "broadband for all" concept with focus on the 'state of the art' and 'what's happening now'. The major objective of this report is the first deliverable of the FP6-project 'Broadband in Europe for all: a multi-disciplinary approach this deliverable is to identify and outline the most important areas in relation to the multi-technological and multi-disciplinary analysis of the "broadband for all" concept to be carried out as part of the project. The deliverable contains information on ongoing regional and national broadband initiatives in Europe and around the world. The information includes a description of state-of-the-art technologies in the different domains regarding "broadband for all" and a description concerning future trends and related issues, which will be investigated during the project. Further current broadband content and applications are described and analysed to determine future trends regarding usage of broadband applications and content. Finally a general description of the market developments within communication networks and in particular broadband networks and general regulatory aspects and the implications of these are described. These general descriptions are based on a number of country cases.

General information
State: Published
Organisations: Department of Photonics Engineering, Networks
Authors: Falch, M. (Intern), Saugstrup, D. (Intern), Skouby, K. E. (Intern), Tadayoni, R. (Intern), Christiansen, H. L. (Intern), Soler-Lucas, J. (Intern), Dittmann, L. (Intern)
Publication date: 2004

Publication information
Original language: English
Series: Bread Broadband for all
Number: FP-6-IST-507554/JCP/R/Pub/D2.1-3.1
Main Research Area: Technical/natural sciences
Forecasting economic aspects of future wireless services

The topic for this deliverable is to assess the future economic setup and implications of wireless services. While provision of basic wireless communication services such as voice and messaging services usually are delivered as end-to-end services by the network operator, the market for content based services may be delivered through collaboration between network operators and content providers. How can this market be expected to develop? Will the network operators act as system integrators connecting customers and content providers in a walled garden approach or will the market for wireless services be shaped like the Internet today with a large number of independent information providers offering their services directly to the customers? This deliverable will analyse economic models for delivery of ‘3G and beyond’ wireless Internet services, and assess the types of services that will drive the market and the business models to be applied. The analysis will take current market trends as point of departure with focus on vanguard markets with respect to 3G services.

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Falch, M. (Intern), Henten, A. (Intern), Saugstrup, D. (Intern), Skouby, K. E. (Intern), Tadayoni, R. (Intern), Tan, S. (Intern)
Publication date: 2004

Publication information
Place of publication: Kongens Lyngby, Denmark
Publisher: Technical University of Denmark, Center for Tele-Information
Original language: English
Series: CTI Working Papers
Number: 82
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 23974
Publication: Research › Report – Annual report year: 2004

IST-related policy instruments

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 39-45
Publication date: 2004

Host publication information
Title of host publication: Mapping the European knowledge base on socio-economic impact studies of ITS, IPTS, JRC : EKB-SEIS
Volume: Chapter 5
Publisher: European Commission, Joint Research Centre, Institute for Prospective Technological Studies
Editor: Burgelmann et al., J.
Series: Technical Report EUR XXXXX EN
Main Research Area: Technical/natural sciences
Links:
http://www.jrc.es
Source: orbit
Source-ID: 63987
Publication: Research - peer-review › Book chapter – Annual report year: 2004

On hype and bubbles in the ICT area

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Public service in the heterogeneous communication infrastructure age

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Tadayoni, R. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 21
Publication date: 2004

User requirements & demand for services and applications in PNs

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Jiang, B. (Intern), Kaldanis, V. (Ekstern), Markopoulos, A. (Ekstern), Monti, M. (Ekstern), Prasad, R. (Ekstern), Saugstrup, D. (Intern), Schultz, N. (Intern), Skouby, K. E. (Intern)
Publication date: 2004

Host publication information
Title of host publication: 13th IST Mobile & Wireless Communications Conference
Main Research Area: Technical/natural sciences
Conference: 13th IST Mobile & Wireless Communications Conference: June, Lyon, France, 01/01/2004
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Source-ID: 182442
Publication: Research - peer-review › Article in proceedings – Annual report year: 2004

User Requirements & Human-Value Issues in a PN Perspective

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Jiang, B. (Intern), Kaldanis, V. (Ekstern), Markopoulos, A. (Ekstern), Monti, M. (Ekstern), Prasad, R. (Ekstern), Saugstrup, D. (Intern), Schultz, N. (Intern), Skouby, K. E. (Intern)
Publication date: 2004

Host publication information
Title of host publication: The Seventh International Symposium on Wireless Personal Multimedia Communications
Converging Information and Communication Systems: The Case of Television and Computers
This Ph.D.-project investigates the process of convergence between television and computers. Identifying three "promises of convergence": interoperability, quality and interactivity, the project examines the key properties of the computer and television sectors, which have had - or are expected in the future to have - significant importance to the process and consequences of the convergence. The project focuses on the appliances, i.e. the TV sets, the computers and their peripheral equipment. It also takes into account the infrastructure and signals, which contain and deliver the information and communication, as well as the nature of the content and the usage scenarios of consumers.
Report on the expected development of the regulatory situation in European countries relevant for the Serenate project:
Serenate, Study into European Research and Education Networking as Targeted by eEurope
The topic of this report is the implications of regulatory issues for the development of national research and education networks (NRENs). The topic is heavily influenced by a major revision in mid-2003 of the EU communications regulation, which is the latest since the liberalisation was first mapped out in a Green Paper in 1987. Regulatory issues may not be highest on the priority list of important questions in NREN communities since they are not often encountered in daily work. However, they constitute the environment in which NRENs develop and the present report documents that communications regulation matters a great deal to the conditions under which NRENs and GÉANT develop.

General information
State: Published
Organisations: Department of Photonics Engineering, Antelope Consulting
Authors: Saugstrup, D. (Intern), Henten, A. (Intern), Milne, C. (Ekstern), Skouby, K. E. (Intern)
Publication date: 2003

Publications information
Place of publication: Amsterdam
Publisher: Terena
ISBN (Print): 90-77-55902-7
Original language: English

Series: Serenate
Number: D7
Main Research Area: Technical/natural sciences

Bibliographical note
Prepared by: Center for Tele-Information (CTI), Technical University of Denmark
Source: orbit
Source-ID: 23967
Publication: Research - peer-review › Report – Annual report year: 2003

Report on the expected evolution of international connectivity in Europe and to other continents over the next five years:
Serenate, Study into European Research and Education Networking As Targeted by eEurope
The topic of this report is the implications of regulatory issues for the development of national research and education networks (NRENs). The topic is heavily influenced by a major revision in mid-2003 of the EU communications regulation, which is the latest since the liberalisation was first mapped out in a Green Paper in 1987. Regulatory issues may not be highest on the priority list of important questions in NREN communities since they are not often encountered in daily work. However, they constitute the environment in which NRENs develop and the present report documents that communications regulation matters a great deal to the conditions under which NRENs and GÉANT develop.

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Falch, M. (Intern), Saugstrup, D. (Intern), Skouby, K. E. (Intern)
Publication date: 2003

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Publisher: Terena
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Main Research Area: Technical/natural sciences
Telekonkurrenceredegørelsen

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Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern), Falch, M. (Intern), Tadayoni, R. (Intern)
Publication date: 2003

Publication information
Place of publication: Copenhagen
Publisher: National IT and Telecom Agency
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 23971
Publication: Research - peer-review › Report – Annual report year: 2003

Competition Policy in Telecommunications: The Case of Denmark

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Srivastava, L. (Ekstern), Skouby, K. E. (Intern), Schneider, M. (Intern)
Publication date: 2002

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Place of publication: Geneva
Publisher: International Telecommunication Union
Original language: English
Main Research Area: Technical/natural sciences
Links:
http://www.itu.int/osg/spu/

Bibliographical note
International Telecommunication Union (ITU)
Source: orbit
Source-ID: 24328
Publication: Research - peer-review › Report – Annual report year: 2002

Information Society and Trade and Industry Policy

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Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 320-333
Publication date: 2002

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Place of publication: London
Publisher: Sage
Editors: Lievrouw, L., Livingstone, S.
ISBN (Print): 0-7619-6510-6
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 24300
Publication: Research - peer-review › Book chapter – Annual report year: 2002
New Forms of E-Business Based Value Creation?

It is two years ago since the burst of the dotcom bubble. The so-called new economy is in shambles. There is, however, nothing new in such manic and steep up- and down-turns in the economy. The tulip mania in the Netherlands in 1630s is an early example and the South American mining industry in the 1820s is another. When a new area is discovered by the financial markets, there is a possibility that it will be the object of an economically unsound and hysterical interest. But the breakdown of this manic situation does not mean that behind the euphoria there is nothing new. After the breakdown may come a phase of more steady build up, and the long term implications will gradually evolve. In this paper, the question of value creation in ebusiness relationships is examined since this question must be at the centre of a wellfounded discussion of the implications of new business relations based on the usage of information and communication technologies and solutions. It is concluded that in spite of unfounded assumptions in important areas, there are also sane and reasonable elements in management theories on e-business implications, and that the technological and economic realities behind these elements will result in gradual, however, important changes in business relations and the economy as such.

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Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 12
Publication date: 2002

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Publisher: Technical University of Denmark, Center for Tele-Information
Original language: English
Series: CTI Working Paper
Number: 70
Main Research Area: Technical/natural sciences

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Source-ID: 24325
Publication: Research - peer-review › Report – Annual report year: 2002

Research and Education Network in Ghana

General information
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Organisations: Department of Photonics Engineering
Authors: Tadayoni, R. (Intern), Skouby, K. E. (Intern)
Publication date: 2002

Host publication information
Title of host publication: ITS 14th Biennal Conference
Publisher: ITS
Main Research Area: Technical/natural sciences

Bibliographical note
Available on CD-rom
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Source-ID: 24320
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

The Tradability of Consulting Services: and its implications for developing countries

General information
State: Published
Organisations: Department of Photonics Engineering, University of Hong Kong
Authors: Sauvant, K. P. (ed.) (Ekstern), Baark, E. (Ekstern), Falch, M. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
Distributed Multimedia Technologies and Value Chain Structuring: An Economic Theory of Communications

This Doctoral thesis has focused on the socio-economic effects from developing ICTs. The technological investigation emphasises the trends towards distributed multimedia (DMM), where technological developments increasingly support human online interactivity as well as distributed workspaces for product presentations and alterations. Present impacts and future implications from applied DMM-technologies have been analysed within the realm of the Danish textile and clothing industry. Businesses within this industry have specialised and become dependent on extensive levels of communication with both national and international contractors. DMM-technologies have become widely applied within production-processes and impact the international distribution of labour. In addition, the case shows that there are evident potentials in impacting the businesses and their decision taking. Potentials relate to an altered knowledge-formation on markets and demand-situations, as well as on suppliers’ provisions and optimised value chain structuring. These socio-economic impacts have been analysed from an economic theoretical perspective, where a communication model has been introduced emphasising knowledge-formation regarding know-how, know-why, know-what and know-who. Analytical results of the model have been compared to four known theoretical directions: new economy, transaction cost analysis, evolutionary economics and industrial economics.

General information
State: Published
Organisations: Department of Photonics Engineering, Center for Information and Communication Technologies
Authors: Hjarup, S. (Ekstern), Skouby, K. E. (Intern)
Publication date: 2001
Economic Impact of the Radio Spectrum

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Falch, M. (Intern), Henten, A. (Intern), Jensen, S. C. (Intern), Skouby, K. E. (Intern)
Publication date: 2001

Host publication information
Title of host publication: Economic Impact of the Radio Spectrum
Place of publication: Copenhagen
Publisher: National Telecom Agency
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 25783
Publication: Research - peer-review › Book chapter – Annual report year: 2001

IT/Kommunikation - en erhvervsanalyse

General information
State: Published
Organisations: Department of Photonics Engineering
Authors: Henten, A. (Intern), Enevoldsen, K. (Ekstern), Falch, M. (Intern), Löck, S. (Ekstern), Plougmann, P. (Ekstern), Skouby, K. E. (Intern)
Publication date: 2001

Publication information
Place of publication: Copenhagen
Publisher: Erhvervsfremmestyrelsen
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 25800
Publication: Research - peer-review › Report – Annual report year: 2001

An investigation into the information needs and information-seeking behaviour of members of Ghana's legislature

General information
State: Published
Organisations: Department of Telecommunication
Authors: Alemna, A. A. A. (Ekstern), Skouby, K. E. (Intern)
Pages: 235-240
Publication date: 2000
Main Research Area: Technical/natural sciences

Publication information
Journal: Library Management
Volume: 21
Issue number: 5
Ratings:
BFI (2018): BFI-level 1
BFI (2017): BFI-level 1
BFI (2016): BFI-level 1
Scopus rating (2016): SJR 0.541 SNIP 0.722 CiteScore 0.83
BFI (2015): BFI-level 1
Scopus rating (2015): SJR 0.66 SNIP 0.79 CiteScore 1.02
BFI (2014): BFI-level 1
Technological, political and economic changes and their implications for the evolution of broadcasting services: - a political economy of digital broadcasting

The subject of this Ph.D. thesis is changes in the market for broadcasting services as a result of technological, political, and economic drivers. Broadcasting services can be categorised as a part of the ICT-based information and knowledge intensive services that have gone through radical changes in the last couple of decades. Broadcasting services can be categorised as a part of the information and knowledge intensive services that has gone through radical changes in the last couple of decades. There are, however, specific characteristics like deployment of advanced technologies at both supply and demand sites, scarcity of transmission resources, and the historical aspects that make the development of the broadcasting service market different from other information and knowledge intensive services.
Analysis of interoperability requirements and of relevant activities in standards bodies and fora

General information
State: Published
Organisations: Department of Telecommunication, DATSA, Italtel
Authors: Lanting, C. (ed.) (Ekstern), Guarneri, R. (Ekstern), Skouby, K. E. (Intern), Falch, M. (Intern)
Number of pages: 13
Publication date: 1999

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 175433
Publication: Research - peer-review › Report – Annual report year: 1999

Electronic commerce and the impact on business structures

General information
State: Published
Organisations: Department of Telecommunication
Authors: Hjarup, S. (Ekstern), Falch, M. (Intern), Skouby, K. E. (Intern)
Pages: 131-152
Publication date: 1999

Host publication information
Title of host publication: Distributed Multimedia - Electronic Commerce & Couverging Media
Place of publication: Lyngby
Publisher: CTI
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 175638
Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

Electronic Commerce and the Impact on Business Structures

General information
State: Published
Organisations: Department of Telecommunication
Authors: Falch, M. (Intern), Hjarup, S. (Ekstern), Skouby, K. E. (Intern)
Pages: 295-296
Publication date: 1999

Host publication information
Title of host publication: HCI International ’99
Place of publication: Munich
Publisher: Frauenhofer IRB Verlag
Main Research Area: Technical/natural sciences
Conference: HCI International ’99, Munich, 01/01/1999
Source: orbit
Source-ID: 175167
Publication: Research › Article in proceedings – Annual report year: 1999

Internationalisation of Services - Implications of Information and Communication Technologies

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 14
Publication date: 1999
Konkurrencesituationen i telesektoren i Danmark

General information
State: Published
Organisations: Department of Telecommunication, Andersen Management International
Authors: International, A. M. (Ekstern), Skouby, K. E. (Intern)
Number of pages: 150
Publication date: 1999

Publication information
Place of publication: København
Publisher: Andersen Management International
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 177662
Publication: Research - peer-review › Book – Annual report year: 1999

Telecommunications in the New Era: Competing in the Single Market

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (Intern)
Pages: 675-676
Publication date: 1999
Main Research Area: Technical/natural sciences

Publication information
Journal: Telecommunications Policy
Volume: 23
Issue number: 9
ISSN (Print): 0308-5961
Ratings:
BFI (2018): BFI-level 1
BFI (2017): BFI-level 1
Web of Science (2017): Indexed Yes
BFI (2016): BFI-level 1
Scopus rating (2016): SJR 0.732 SNIP 1.381 CiteScore 1.84
BFI (2015): BFI-level 1
Scopus rating (2015): SJR 0.666 SNIP 1.069 CiteScore 1.45
BFI (2014): BFI-level 1
Scopus rating (2014): SJR 0.715 SNIP 1.491 CiteScore 1.84
BFI (2013): BFI-level 1
Scopus rating (2013): SJR 0.634 SNIP 1.529 CiteScore 1.82
ISI indexed (2013): ISI indexed yes
BFI (2012): BFI-level 1
Scopus rating (2012): SJR 0.734 SNIP 1.809 CiteScore 2.19
ISI indexed (2012): ISI indexed yes
BFI (2011): BFI-level 1
Scopus rating (2011): SJR 0.702 SNIP 2.043 CiteScore 2.12
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 1
A Report on Commercialisation Evolution of Multimedia Services

General information
State: Published
Organisations: Department of Telecommunication, Nokia A/S, Databank
Authors: Enemark, R. (ed.) (Intern), Falch, M. (ed.) (Intern), Skouby, K. E. (Intern), Bjorksten, M. (Eknster), Passamonti, L. (Eknster), Tahkokorpi, M. (Eknster)
Number of pages: 71
Publication date: 1998

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171154
Publication: Research - peer-review › Report – Annual report year: 1998

Business Modelling of Electronic Brokerage

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (Intern), Øst, A. G. (Intern)
Pages: 29-35
Publication date: 1998

Host publication information
Title of host publication: INC ’98
Place of publication: Plymouth
Publisher: University of Plymouth
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171642
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Commercialisation of Internet
General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 137
Publication date: 1998

Publication information
Place of publication: Lyngby
Publisher: Technical University of Denmark, Center for Tele-Information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171331
Publication: Research - peer-review › Book – Annual report year: 1998

Consumer-related Legal Aspects of the Information Society: The Case of Denmark

General information
State: Published
Organisations: Department of Telecommunication
Authors: Falch, M. (Intern), Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 43-53
Publication date: 1998

Host publication information
Title of host publication: Computers and Networks in the Age of Globalisation
Place of publication: Geneva
Publisher: IFIP
Main Research Area: Technical/natural sciences
Conference: Computers and Network in the Age of Globalisation. Fifth World Conference Human Choice and Computers
IFIP, Geneva, 01/01/1998
Source: orbit
Source-ID: 171145
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

DAB i Danmark

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (ed.) (Intern), Tadayoni, R. (Intern)
Publication date: 1998

Publication information
Publisher: Kulturministeriet
Original language: Danish
Main Research Area: Technical/natural sciences
Links:
http://www.kum.dk
Source: orbit
Source-ID: 171638
Publication: Research - peer-review › Book – Annual report year: 1998

Designing for E-commerce, appealing to consumers

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (ed.) (Intern)
Publication date: 1998

Host publication information
Title of host publication: Commercialisation of the internet
DVB -fremtidens tv

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (ed.) (Intern), Tadayoni, R. (Intern)
Number of pages: 63
Publication date: 1998

Publication information
Place of publication: København
Publisher: Kulturministeriet
Original language: Danish
Main Research Area: Technical/natural sciences
Links: http://www.kum.dk
Source: orbit
Source-ID: 171640
Publication: Research - peer-review › Book – Annual report year: 1998

Fjernsalg af finansielle tjenester: Teknik og økonomi

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Publication date: 1998

Publication information
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171337
Publication: Research - peer-review › Report – Annual report year: 1998

GAIA Service and Standard Assessment: D202

General information
State: Published
Organisations: Department of Telecommunication
Authors: Dormann, C. (Intern), Skouby, K. E. (Intern), Øst, A. G. (Intern)
Number of pages: 184
Publication date: 1998

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171611
Publication: Research - peer-review › Report – Annual report year: 1998

GAIA Service and Standard Assessment

General information
State: Published
Organisations: Department of Telecommunication
Internet Economics: End User and Interconnect Pricing

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern), Øst, A. G. (Intern)
Pages: 99-106
Publication date: 1998

Host publication information
Title of host publication: Commercialisation of Internet
Place of publication: Lyngby
Publisher: Technical University of Denmark, Center for Tele-Information
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171334
Publication: Research - peer-review › Book chapter – Annual report year: 1998

KNOWLEDGE IN DEVELOPMENT: MULTI-MEDIA, MULTI-PURPOSE COMMUNITY INFORMATION CENTRES AS CATALYSTS FOR BUILDING INNOVATIVE KNOWLEDGE-BASED SOCIETIES

General information
State: Published
Organisations: Department of Telecommunication, Centre for Information Society Development in Africa
Authors: Cogburn, D. L. (Ekstern), Skouby, K. E. (Intern), Fouche, B. (Ekstern), Falch, M. (Intern), Henten, A. (Intern)
Number of pages: 96
Publication date: 1998

Publication information
Place of publication: Washington
Publisher: World Bank
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171971
Publication: Research - peer-review › Book – Annual report year: 1998

Refined analysis results for multimedia network costs and profits

General information
State: Published
Organisations: Department of Telecommunication, Nokia A/S, Databank
Authors: Björksten, M. (ed.) (Ekstern), Tahkokorpi, M. (Ekstern), Falch, M. (Intern), Skouby, K. E. (Intern), Gaboardi, E. (Ekstern)
Number of pages: 68
Publication date: 1998

Publication information
Publisher: EURORIM AC219
Original language: English
Main Research Area: Technical/natural sciences
The Danish Regulatory Reform of Telecommunications: In Regulation and Innovative Activities

General information
State: Published
Organisations: Department of Telecommunication, Austrian Institute of Economic Research
Authors: Knoll, N. (ed.) (Ekstern), Skouby, K. E. (Intern)
Pages: 34-39
Publication date: 1998

Host publication information
Title of host publication: Regulation and Innovative Activities: Telecommunications
Place of publication: Vienna
Publisher: WIFO
Main Research Area: Technical/natural sciences
Conference: Regulations and Innovative Activities. Telecommunications, Vienna, 01/01/1997
Source: orbit
Source-ID: 171641
Publication: Research › Article in proceedings – Annual report year: 1998

The liberalisation of telecommunications - a benchmarking

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Falch, M. (Intern), Skouby, K. E. (Intern)
Number of pages: 11
Publication date: 1998

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 171911
Publication: Research - peer-review › Report – Annual report year: 1998

The political economy of competition in telecommunication

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 199-214
Publication date: 1998

Main Research Area: Technical/natural sciences

Publication information
Journal: Communications and Strategies
Issue number: 30
ISSN (Print): 1157-8637
Ratings:
BFI (2018): BFI-level 1
BFI (2017): BFI-level 1
BFI (2016): BFI-level 1
BFI (2015): BFI-level 1
BFI (2014): BFI-level 1
BFI (2013): BFI-level 1
ISI indexed (2013): ISI indexed no
BFI (2012): BFI-level 1
Fjernsalg af finansielle tjenester: teknik og økonomi

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 20
Publication date: 1997

Publication information
Place of publication: Lyngby
Publisher: Technical University of Denmark, Center for Tele-Information
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169154
Publication: Research - peer-review › Book – Annual report year: 1997

Forbrugerne og telepolitikken

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (Intern)
Pages: 1-165
Publication date: 1997

Host publication information
Title of host publication: Forbruger i centrum
Place of publication: København
Publisher: Fremad
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169319
Publication: Research - peer-review › Book chapter – Annual report year: 1997

Implication of Information and Communication Technologies for the Internationalisation of Services

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 13
Publication date: 1997

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169151
Interconnection in Denmark

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 14
Publication date: 1997

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169152
Publication: Research - peer-review › Report – Annual report year: 1997

Internet economics

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern), Øst, A. G. (Intern)
Number of pages: 10
Publication date: 1997

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169150
Publication: Research - peer-review › Report – Annual report year: 1997

Report and analysis of techno-economic issues within SII Chain projects

General information
State: Published
Organisations: Department of Telecommunication, Nokia A/S, Databank
Authors: Takhokorpi, M. (Ekstern), Falch, M. (Intern), Skouby, K. E. (Intern), Björksten, M. (Ekstern), Martinolo, M. (Ekstern)
Number of pages: 27
Publication date: 1997

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Links:
http://www.swt.iao.fhg.de/euroaim/
Source: orbit
Source-ID: 169277
Publication: Research - peer-review › Report – Annual report year: 1997

The Data Communication Services Industry

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Pages: 255-271
Publication date: 1997

Host publication information
The Industry, the Markets and the Services

**General information**
State: Published
Organisations: Department of Telecommunication
Authors: Melody, W. H. (ed.) (Intern), Skouby, K. E. (Intern)
Publication date: 1997

**Host publication information**
Title of host publication: Telecom Reform - Principles, Policies and Regulatory Framework
Place of publication: Lyngby
Publisher: Den Private Ingeniørfond
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 169165
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

Cost-profit Analysis of multimedia services: The Value Chain and Specification of a Model for Techno-Economic Analysis of multimedia services

**General information**
State: Published
Organisations: Department of Telecommunication, Technibank, Nokia A/S
Authors: Falch, M. (ed.) (Intern), Skouby, K. E. (Intern), Caetanoi, G. (Ekstern), Tahkokorp, M. (Ekstern)
Number of pages: 35
Publication date: 1996

**Publication information**
Original language: English
Main Research Area: Technical/natural sciences
Links:
http://www.swt.iao.fhg.de/eurorim
Source: orbit
Source-ID: 165079
Publication: Research - peer-review › Report – Annual report year: 1996

Employment Trends in the European Postal Sector: Denmark

**General information**
State: Published
Organisations: Department of Telecommunication, Price Waterhouse
Authors: Halberg, P. (Ekstern), Nielsen, J. (Ekstern), Henten, A. (Intern), Skouby, K. E. (Intern), Falch, M. (Intern)
Number of pages: 176
Publication date: 1996

**Publication information**
Place of publication: Lyngby
Publisher: Price Waterhouse
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 165125
Publication: Research - peer-review › Book – Annual report year: 1996
European Planning for an Information Society

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern), Falch, M. (Intern)
Pages: 177-190
Publication date: 1996
Main Research Area: Technical/natural sciences

Publication information
Journal: Telematics and Informatics
Volume: 13
Issue number: 2/3
Original language: English
Source: orbit
Source-ID: 165116
Publication: Research - peer-review › Journal article – Annual report year: 1996

Interconnection, Competition and Regulation

General information
State: Published
Organisations: Department of Telecommunication
Authors: Melody, W. H. (Intern), Skouby, K. E. (Intern)
Publication date: 1996

Publication information
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 165530
Publication: Research - peer-review › Book – Annual report year: 1996

Internet-tariffer

General information
State: Published
Organisations: Department of Telecommunication
Authors: Henten, A. (Intern), Skouby, K. E. (Intern)
Number of pages: 18
Publication date: 1996

Publication information
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 165132
Publication: Research - peer-review › Report – Annual report year: 1996

Telesektoren i forandring: Baggrund og perspektiver for den nye telelovgivning i Danmark

General information
State: Published
Organisations: Department of Telecommunication, Danish Telecom Agency
Authors: Melody, W. H. (Intern), Skouby, K. E. (Intern), Wulff, T. (Ekstern), Henten, A. (Intern), Falch, M. (Intern)
Number of pages: 41
Publication date: 1996

Publication information
Original language: Danish
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 165128
Tradability of Consultancy Services: Report for Expert Group Meeting

General information
State: Published
Organisations: Department of Telecommunication, Department of Technology and Social Sciences
Authors: Falch, M. (Intern), Baark, E. (Intern), Skouby, K. E. (Intern), Henten, A. (Intern)
Number of pages: 210
Publication date: 1996

Publication information
Place of publication: Geneva
Publisher: UNCTAD
Original language: English
Main Research Area: Technical/natural sciences
Source: orbit
Source-ID: 165285
Publication: Research - peer-review › Book – Annual report year: 1996

Forecasting the demand for new telecommunication services
A forecasting method that is applicable for new services, where little historical data have been recorded, is proposed. The method uses estimators based on economical, demographic and traffic data. Compared to traditional forecasting procedures that are built upon a solid historical record of data, the method is clearly found to be weaker numerically. However, for novel services it has the advantage that it provides a result, where the traditional method would fail because the data record is too weak. Furthermore, the method has the advantage that as soon as further data become available, it can be refined to provide even better results

General information
State: Published
Organisations: Department of Telecommunication
Authors: Skouby, K. E. (Intern), Veiro, B. (Ekstern)
Pages: 1043-1049
Publication date: 1991

Host publication information
Title of host publication: Proceedings of the Global Telecommunications Conference
Volume: Volume 2
Publisher: IEEE
ISBN (Print): 0-87942-697-7
Main Research Area: Technical/natural sciences
Conference: Global Telecommunications Conference, : Countdown to the New Millennium. Featuring a Mini-Theme on: Personal Communications Services, Phoenix, AZ, 01/01/1991
Electronic versions:
Bjørn.pdf
DOIs:
10.1109/GLOCOM.1991.188537

Bibliographical note
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Source: orbit
Source-ID: 264687
Publication: Research - peer-review › Article in proceedings – Annual report year: 1991

Projects:

System solution for low-cost, energy-efficient, high speed acces, backhaul and front haul networks
Department of Photonics Engineering
Period: 15/02/2014 → 08/03/2017
Number of participants: 7
Phd Student:
Wagner, Christoph (Intern)
Supervisor:
Tafur Monroy, Idelfonso (Intern)
Vegas Olmos, Juan José (Intern)
Main Supervisor:
Tafur Monroy, Idelfonso (Intern)
Examiner:
Lavrinenko, Andrei (Intern)
Skouby, Knud Erik (Intern)
Tartarini, Giovanni (Ekstern)

Financing sources
Source: Internal funding (public)
Name of research programme: Marie Curie (EU-stipendium)
Project: PhD

MAGNET Beyond
Partners are: Aalborg University, Advanced Communications Research and Development S.A. (ACORDE), Alcatel Italia s.p.a., Brunel University, Centre Suisse d’Electronique et de Microtechnique SA (CSEM), Commissariat à l’Energie Atomique (CEA-LETI), National Institute of Communications and Technology NICT, Delft University of Technology, FRANCE TELECOM R&D, Fraunhofer FhG/FOKUS, Forschungszentrum Telekommunikation Wien Betriebs GmbH (FTW), Institut National des Télécommunications (INT), Institute of Communication and Computer Systems (ICCS)/NTUA, Interuniversity Micro-Electronics Centre (IMEC vzw), INTRACOM S.A. - Hellenic Telecommunications and Electronics Industry (ICOM), Lund University, NEC Europe Ltd, Nokia Corporation Oyj, Nokia GmbH, Philips Consumer Electronics IC Lab, Shanghai Institute of Microsystem and Information Technology (SIMIT), Tata Consultancy Services (TCS), TeliaSonera, Telefónica Investigación y Desarrollo (TID), Universidad de Cantabria, University of Surrey, University of Rome "TOR VERGATA", Technical Research Centre of Finland (VTT), Twente Institute for Wireless and Mobile Communication, University of Kassel.

Department of Photonics Engineering
Period: 01/01/2006 → 30/06/2008
Number of participants: 12
Project ID: 70324
Project participant:
Olesen, Henning (Intern)
Skouby, Knud Erik (Intern)
Sørensen, Lene Tolstrup (Intern)
Christensen, Dan Saugstrup (Intern)
Tan, Su-En (Intern)
Windekkilde, Ivona (Intern)
Sørensen, Jannick Kirk (Intern)
Heinz, Emil Kim Segaard (Intern)
Hammershøj, Allan Dyhr (Intern)
Xu, Cheng (Intern)
Henten, Anders (Intern)
Project Manager, organisational:
Schultz, Nette (Intern)

Financing sources
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 4,699,638.00 Danish Kroner
Project

Nordict: Højteknologisk netværk
Center for Information and Communication Technologies
Department of Photonics Engineering
The World Dialogue on Regulation for Network Economies

The World Dialogue on Regulation for Network Economies (WDR) Project was initiated by infoDev (World Bank), which is providing foundation funding. It is managed by LIRNE.NET, and supported by: the Center for Tele-Information, Technical University of Denmark; the Delft University of Technology; and the ITU Telecommunication Development Bureau (BDT). Additional partners are expected to join. WDR is being established as an independent entity with multiple partners, funding sources and an independent Board. Events will be reported here as they happen. The mission of WDR is to facilitate an international dialogue that generates and disseminates new knowledge on frontier issues in regulation and governance to support the development of network economies. The core activities are: Dialogue on Interactive Web Site, Case Studies & Research Reports, Forum Discussions among Experts and Wide Dissemination in Print & Electronic Form.

Department of Photonics Engineering

World Bank

Lirne.net Universities

International Telecommunication Union

International Development Research Centre

Period: 01/01/2005 → 30/06/2007
Number of participants: 4
Acronym: WDR
Project ID: 70272
Project participant:

Skouby, Knud Erik (Intern)
Samarajiva, Rohan (Ekstern)
Henriksen, Merete Aagaard (Intern)

Project Manager, organisational:

Melody, William H. (Intern)

Financing sources

Source: Forsk. Andre offentlige og private - Udenlandske
Name of research programme: Forsk. Andre offentlige og private - Udenlandske
Amount: 1,470,203.00 Danish Kroner

Ubiquitous Mobility in Personal and Personal Area Networks

Department of Informatics and Mathematical Modeling

Period: 01/09/2004 → 30/04/2008
Number of participants: 6
Phd Student:

Christensen, Dan Saugstrup (Intern)
Supervisor:

Tadayoni, Reza (Intern)
Main Supervisor:

Skouby, Knud Erik (Intern)
Examiner:

Falch, Morten (Intern)
Dalum, Bent (Ekstern)
Hämmäinen, Heikki (Ekstern)
**Financing sources**
Source: Internal funding (public)
Name of research programme: Kandidatstipendium ansat på DT
Project: PhD

**Virksomhedssamarbejde**

Department of Photonics Engineering

Nokia A/S
Siemens A/S

Period: 01/07/2004 → 31/10/2004
Number of participants: 1
Project ID: 70270
Project Manager, organisational:
Skouby, Knud Erik (Intern)

**Financing sources**
Source: Sam.arb.aftaler, Private danske - Andre virksomheder
Name of research programme: Sam.arb.aftaler, Private danske - Andre virksomheder
Amount: 500,000.00 Danish Kroner

**Broadband in Europe for all: a multi-disciplinary approach**
The BREAD project (Broadband in Europe for all: a multi-disciplinary approach) will develop a multi-disciplinary approach to analyze the realization of the "broadband for all" concept within Europe. This objective is met through a multi-disciplinary approach taking societal, economic, regulatory and technological issues into account. The project will bring these different disciplines together, share views and knowledge, and develop new strategies and good practice recommendations in the area of "broadband for all". The BREAD project brings together (all) players active in the field of the end-to-end broadband provisioning for all. It performs a multi-technological analysis of the current and evolving situation taking as a starting base all the roadmap information generated by different IST instruments and projects focusing on specific technological domains. At the same time the BREAD project studies the techno-economic, societal and regulatory aspects of this "broadband for all" concept. It will identify the impact of the EU regulatory framework on the successful implementation of new broadband communication services. The project also includes regional "success stories" of actual deployment and the influence of government stimulus for accelerating the early rollout of broadband services. Societal aspects of introducing broadband access and sustainable economic business models for are taken into account.

Department of Photonics Engineering
Period: 01/01/2004 → 30/06/2006
Number of participants: 5
Project ID: 70250
Project participant:
Henten, Anders (Intern)
Falch, Morten (Intern)
Christensen, Dan Saugstrup (Intern)
Schneider, Markus (Intern)
Project Manager, organisational:
Skouby, Knud Erik (Intern)

**Financing sources**
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 1,531,189.00 Danish Kroner

**My personal Adaptive Global NET**
The MAGNET (My personal Adaptive Global NET) project has a vision related to Personal Networks and the support these will offers users' in both professional and private environments, without being obtrusive and while safeguarding privacy and security. Personal Network will operate on top of any number of networks that exist for subscriber services or are composed in an ad-hoc manner. These networks are dynamic and diverse in composition, configuration and connectivity depending on time, place, preference and context, as well as available resources. As the name implies MAGNET has a very strong emphasis on user-centricity, personalization, adaptation, interoperability and interconnection of heterogeneous networks. This user-centric approach is called for, due to the widely accepted fact, that future
applications and services need to be developed with the users’ in the driver's seat and in equal pace with the corresponding core- and radio networks. The goal of the MAGNET project is to enable commercially viable Personal Networks that are affordable, user-friendly and beneficial to all kinds of users in all aspects of their everyday life. Furthermore the MAGNET project adopts a system approach that is expected to be one of the most important telecom-related growth markets of the future: Personal Area Networks. However, MAGNET does not treat Personal Area Networks in isolation: the concept is extended into that of a Personal Network by interconnecting Personal Area Networks via wirelessly accessed wide area networks (WANs). In addition to this, the MAGNET project builds upon significant advances in peer-to-peer networking, inter-working between different networking technologies, wireless technologies for Personal Networks and security aspects. Overall the MAGNET project is based on a techno and socio-economic perspective regarding future user requirements and business opportunities.

Department of Photonics Engineering
Period: 01/01/2004 → 13/12/2005
Number of participants: 9
Acronym: MAGNET
Project ID: 70254
Project participant:
Skouby, Knud Erik (Intern)
Henten, Anders (Intern)
Olesen, Henning (Intern)
Falch, Morten (Intern)
Tadayoni, Reza (Intern)
Sørensen, Lene Tolstrup (Intern)
Schultz, Nette (Intern)
Christensen, Dan Saugstrup (Intern)
Jiang, Bo (Intern)

Financing sources
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 2,739,203.00 Danish Kroner

Virtuelle net
Department of Photonics Engineering
Period: 01/01/2004 → 31/12/2006
Number of participants: 2
Project ID: 70255
Project participant:
Christensen, Dan Saugstrup (Intern)

Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Forskningsrådene - STVF
Name of research programme: Forskningsrådene - STVF
Amount: 2,200,000.00 Danish Kroner

Network of Excellence in Wireless Applications and Technology
The Network of Excellence in Wireless Applications and Technology (NEXWAY) is a thematic network in wireless communications. The main purpose of NEXWAY is to build a strong and open team, based upon a pool of academic and independent R&D organizations with international reputation in the field of wireless communications in order to serve the European Society and Industry. As a participant in this network of excellence, CTI have contributed within the areas of social and economic implications of future wireless services and technologies. The report on social implications describes the relationship between user needs and technology solutions offered by different wireless technologies. Technology solutions are discussed in relation to the development of user-oriented mobile services and applications in a heterogeneous network environment. Based on Scandinavian research in social sciences concerning mobility and the scope and range of wireless technologies, a preliminary framework is proposed for analyzing the implications that mobility may have for the use and development of mobile services and applications. The framework centers on four main parameters: geography, time, context and organization, and the technological implications that each parameter may have for the development of more user-oriented mobile services and applications. The report on economic implications analyses the evolution of wireless services, in particular the potential economic setup and implications of wireless
services. The report analyses economic models for delivery of "3G and beyond" wireless Internet services, and assesses the types of services that will drive the market and the business models to be applied. The analysis will focus on vanguard markets with respect to 3G services. Following factors affecting applicability of various economic models for delivery of mobile services are addressed: Technology (including the economic down-turn, especially the financial crises of the ICT sector). Technology transitions (including new technical platforms for provision of wireless services such as W-CDMA, CDMA2000, TD-SCDMA and 802.11 WLAN standards). Economy (including the economic down-turn, especially the financial crises of the ICT sector). Market development (including strategies of equipment manufactures, infrastructure providers and service providers, analysis of business models, research and development activities and current market trends). Socio-cultural factors (such as those analyzed in the social implications report). All of these factors can be used to explain some of the development paths taken within the wireless area. However some might be more significant than others, in particular the technological leapfrogging that characterizes technological developments paths, the choice of 3G technology, the way in which network operators and equipment manufactures differ in strength and strategies, the amount of research carried out by the different entities, as well as the different marketing strategies that can be observed such as the technology-push strategy or the market demand and service approach.

Department of Photonics Engineering
Aalborg University
University of Bremen
Centre Suisse d'Electronique et de Microtechnique S.A.
Fraunhofer Gesellschaft
Aachen Technical University
Delft University of Technology
IMEC
National Technical University of Athens
Commissariat Energie Atomique
University of Surrey
Universidad de Cantabria
Dresden University of Technology

Period: 01/06/2002 → 29/02/2004
Number of participants: 5
Acronym: NEXWAY
Project ID: 70208
Project participant:
Henten, Anders (Intern)
Falch, Morten (Intern)
Tadayoni, Reza (Intern)
Christensen, Dan Saugstrup (Intern)
Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 316,518.00 Danish Kroner
Project

Study into European Research and Education Networking as Targeted by eEurope
The Serenate project has the broad aim of providing inputs to the European Commission on initiatives that could help to keep the evolution of the European research network at the forefront of world-wide development, and enhance the competitiveness of the European research area. Specifically the Serenate project aims to develop cost estimates for networking scenarios outlined in the eEurope Action Plan. The results of the Serenate project studies will provide important inputs to the policy making of the European Commission, national governments and funding bodies, management of research and education institutions, and research and education networking organizations, helping them to develop their strategies for the coming years. The project will address certain strategic aspects that are of crucial importance for the development of European research networks to 100 Gb/s and beyond. The current situation is that national research and education networks and the wider European research networking community are at the forefront of technological developments. While much of the history of European research networking over the past two decades was characterized by the need to keep up with developments in North America, currently Europe has a leading position in
many aspects of networking. In the past three years, Europe has taken up the challenge of Gigabit networking. Gigabit networks are being implemented by a number of national research and education networking organizations, and in other countries plans for such networks are being developed. At the European level, the GÉANT interconnect network is a significant step forward, offering a wide coverage of 2.5 Gb/s capacity and early introduction of 10 Gb/s in part of the network. Furthermore it is likely that the GÉANT network in the future will deploy some links with speeds at or above 100 Gb/s. The Serenate project contributes to achieving these networking goals by investigating the strategic aspects of the development of high-speed networks, looking into technical, organizational and financial aspects, the market conditions and regulatory environment. The following papers have been published in relation to the SERENATE project and can be found under publications/working papers Deliverable 3: Report on the experience of various communities that have experimented with "alternative" models of infrastructures Deliverable 7: Report on the expected development of the regulatory situation in European countries relevant for the SERENATE project Deliverable 13: Report on the expected evolution of international connectivity in Europe and to other continents over the next five years

Department of Photonics Engineering
Period: 01/05/2002 → 31/12/2003
Number of participants: 4
Acronym: Serenate
Project ID: 70186
Project participant:
Skouby, Knud Erik (Intern)
Henten, Anders (Intern)
Christensen, Dan Saugstrup (Intern)
Milne, Claire (Ekstern)

Financing sources
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 1,196,096.00 Danish Kroner

UNDP Somalia
Department of Photonics Engineering
Period: 15/04/2002 → 31/12/2002
Number of participants: 2
Project ID: 70194
Project participant:
Tadayoni, Reza (Intern)

Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Sam.arb.aftaler - Statslige danske
Name of research programme: Sam.arb.aftaler - Statslige danske
Amount: 535,000.00 Danish Kroner

The World Dialogue on Regulation for Network Economies
Department of Photonics Engineering
World Bank
Lime.net Universities
International Telecommunication Union
International Development Research Centre
Period: 01/01/2002 → 31/12/2004
Number of participants: 4
Acronym: WDR
Project ID: 70150
Project participant:
Skouby, Knud Erik (Intern)
Henriksen, Merete Aagaard (Intern)
Samarajiva, Rohan (Ekstern)
Project Manager, organisational:
Melody, William H. (Intern)

Financing sources
Source: Forsk. Andre offentlige og private - Udenlandske
Name of research programme: Forsk. Andre offentlige og private - Udenlandske
Amount: 1,649,000.00 Danish Kroner

CTI - Tele Denmark
Department of Photonics Engineering
Tele Denmark Corporation A/S
Nokia A/S
Siemens A/S
Orange A/S
Period: 01/01/2001 → 31/12/2003
Number of participants: 1
Project ID: 70000
Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Sam.arb.aftaler, Private danske - Andre virksomheder
Name of research programme: Sam.arb.aftaler, Private danske - Andre virksomheder
Amount: 5,250,000.00 Danish Kroner

Den offentlige sektors behov : Center for IT-forskning
Department of Photonics Engineering
Period: 01/01/2001 → 01/12/2001
Number of participants: 1
Project ID: 70020
Project participant:
Skouby, Knud Erik (Intern)

Financing sources
Source: Forskningsrådene - STVF
Name of research programme: Forskningsrådene - STVF
Amount: 117,000.00 Danish Kroner

Prime Acts - Acts 370x : Den Europæiske Union
Department of Photonics Engineering
Period: 01/01/2001 → 31/12/2003
Number of participants: 1
Project ID: 70017
Project participant:
Skouby, Knud Erik (Intern)

Financing sources
Source: Forsk. EU - Rammeprogram
Name of research programme: Forsk. EU - Rammeprogram
Amount: 460,000.00 Danish Kroner
EmergentsMarkets and Technology Based on Electronic Commerce

Department of Photonics Engineering
Period: 01/06/2000 → 31/03/2001
Number of participants: 2
Phd Student:
Graham, Henrik (Intern)
Main Supervisor:
Skouby, Knud Erik (Intern)

Financing sources
Source: Internal funding (public)
Name of research programme: Ansat eksternt CAMP
Project: PhD

LIRNE.NET
LIRNE.NET is a Strategic Collaboration between Faculty from Center for Tele-Information (CTI), Technical University of Denmark and Economics of Infrastructures, Delft University of Technology Netherlands Mission to facilitate telecom reform and information infrastructure development throughout the world - through research, training, policy and regulatory advice; to build human capital in the area as the foundation for the development, effective regulation and governance of new network economies. Activities Expert Analysis & Commentary on Current Issues External Training Initiatives (for Government, Industry and NGOs) Research Activities and Reports World Dialogue on Regulation for Network Economies.

Department of Telecommunication
Department of Electrical Engineering
Period: 01/01/2000 → 31/01/2005
Number of participants: 6
Project participant:
Skouby, Knud Erik (Intern)
Henten, Anders (Intern)
Falch, Morten (Intern)
Tadayoni, Reza (Intern)
Samrajiva, Rohan (Ekstern)
Project Manager, organisational:
Melody, William H. (Intern)
Project

Economic Impact of the Radio Spectrum
The project estimates the economic impact of the seven major applications of the radio spectrum. The results of the project is published at the web-site of the National Telecom Agency http://www.TST.dk

Department of Telecommunication
Period: 01/09/1999 → 31/01/2001
Number of participants: 4
Project participant:
Henten, Anders (Intern)
Tadayoni, Reza (Intern)
Skouby, Knud Erik (Intern)
Project Manager, organisational:
Falch, Morten (Intern)
Project

Statsbiblioteket
Department of Photonics Engineering
Period: 01/07/1999 → 01/01/2002
Number of participants: 1
Project ID: 70172
Project participant:
Skouby, Knud Erik (Intern)
**Distributed Multimedia**

The project focuses on research issues central to the development and use of distributed multimedia. Task 2: the Information Society, convergence and electronic commerce explore the potentials and barriers in the information society based on convergence and with electronic commerce in a broad sense as its most important emerging economic activity.

**Department of Telecommunication**

**Project**

Distributed Multimedia

**Period:** 01/12/1998 → 31/12/2001

**Number of participants:** 4

**Project participant:**
- Falch, Morten (Intern)
- Henten, Anders (Intern)
- Barduca, Otello (Intern)

**Project Manager, organisational:**
- Skouby, Knud Erik (Intern)

**Financing sources**

Source: Sam.arb.aftaler - Statslige danske
Name of research programme: Sam.arb.aftaler - Statslige danske
Amount: 560,801.00 Danish Kroner

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**Promoting Interactive MultiMedia Market in Europe (PRIME)**

The main objective of the PRIME project is to elaborate and expand ACTS’ results into contributions to the multimedia market development, encouraging the convergence of and adherence to standards for multimedia service provision towards the needs of the emerging Global Information Society. Standards have two main purposes: to reduce transactions costs and to achieve economies of scale. Standards may be imposed by merchants, by leading actors in an industry (as in many types of software production), or by industries as a whole as was traditionally in the telecommunication industries. In an industry as multimedia however with many companies and no obvious market leader, the opportunity of standardisation may be missed and economies of scale lost. An open environment allowing widespread and open access to infrastructures and services is a key condition to reduce social exclusion and avoid the risk of a two-tier society (the information-have and information have-nots). By helping to achieve this goal PRIME project is contributing to create the conditions for a balanced social growth in Europe.

**Department of Telecommunication**

**Project**

Promoting Interactive MultiMedia Market in Europe (PRIME)

**Period:** 01/12/1998 → 01/03/2000

**Number of participants:** 4

**Project participant:**
- Falch, Morten (Intern)
- Henten, Anders (Intern)
- Øst, Alexander G. (Intern)

**Project Manager, organisational:**
- Skouby, Knud Erik (Intern)

**Financing sources**

Source: Unknown
Name of research programme: Ukendt
Amount: 3,000,000.00 Danish Kroner

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Financing sources
Source: Unknown
Name of research programme: Ukendt
Amount: 500,000.00 Danish Kroner

Project

Strengthening Technology : Danida
Department of Photonics Engineering
Period: 01/07/1998 → 31/12/2002
Number of participants: 1
Project ID: 70001
Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Sam.arb.aftaler - Statslige danske
Name of research programme: Sam.arb.aftaler - Statslige danske
Amount: 3,683,000.00 Danish Kroner

Project

Distributed Multimedia Technologies and Value Chain Structuring- An Economic Theory of Communications
Department of Photonics Engineering
Period: 01/02/1998 → 26/09/2001
Number of participants: 5
Phd Student:
Hjarup, Søren (Ekstern)
Main Supervisor:
Skouby, Knud Erik (Intern)
Examiner:
Henten, Anders (Intern)
Illeris, Sven (Ekstern)
Kim V, Andersen (Ekstern)

Financing sources
Source: Internal funding (public)
Name of research programme: Forskningsrådsstipendium
Project: PhD

Teleteknologiermes konvergens - distribuerede multimedier
Department of Photonics Engineering
Period: 01/02/1998 → 19/11/2003
Number of participants: 5
Phd Student:
Øst, Alexander G. (Intern)
Main Supervisor:
Skouby, Knud Erik (Intern)
Examiner:
Rose, Michael (Intern)
Binder, Thomas (Intern)
Grønbæk, Kaj Georg (Ekstern)

Financing sources
Source: Internal funding (public)
Name of research programme: DTU-lønnet stipendie
Project: PhD

TACTIC
A project on the regulation of consumer oriented electronic services funded by the EU. CTI's part is related to Denmark, Finland and Sweden.
Department of Telecommunication  
Period: 01/07/1997 → 01/10/1998  
Number of participants: 1  
Project Manager, organisational:  
Skouby, Knud Erik (Intern)  

Project Informations- og KommunikationsTeknologiens indvirken på serviceudviklingen  
Department of Photonics Engineering  
Period: 01/06/1997 → 14/08/2001  
Number of participants: 5  
Phd Student:  
Tadayoni, Reza (Intern)  
Main Supervisor:  
Skouby, Knud Erik (Intern)  
Examiner:  
Dittmann, Lars (Intern)  
Olsen, Ole Jess (Intern)  
Søndergaard, Henrik (Intern)  

Financing sources  
Source: Internal funding (public)  
Name of research programme: Forskningsrådsstipendium  
Project: PhD

Service development, internationalisation and labour competencies  
A joint research project on service development, internationalisation and labour competencies funded by the Danish Research Councils. The project deals with the development of human resources in service functions as a response to the requirements for new labour competencies, created by increasing innovation activities, technology use and internationalisation. The project is performed in co-operation with researchers from Roskilde University and the Danish Technological Institute under the programme "Development of Human Resources in the Working Life" financed by the Danish Research Councils with the involvement of Danish labour market organisations. CTI is particularly involved in aspects of the research project regarding developments in information technologies and telecommunication networks and their importance for service production and innovation. The project runs for 3 years and has perspectives in terms of theory and concept development and practical perspectives in terms of demonstration projects in selected companies. A Ph.D.student will be financed under the project.

Department of Telecommunication  
Roskilde Universitet  
Danish Technological Institute  
Period: 01/10/1996 → 01/06/2000  
Number of participants: 2  
Project participant:  
Henten, Anders (Intern)  
Project Manager, organisational:  
Skouby, Knud Erik (Intern)  

Financing sources  
Source: Unknown  
Name of research programme: Ukendt  
Amount: 1,300,000.00 Danish Kroner  
Project

Eurorim- European Research and Consensus on Interactive Multimedia  
Eurorim is funded under the ACTS program. The main objective of the project is the production and dissemination of guidelines and the development of a cost-profit model. Both of these activities addressing the deployment of advanced multimedia services in the competitive market of post 1998 Europe. Guidelines will cover aspects which are considered strictly technical, such as identification of relevant alternative technologies, and aspects which are more service oriented, e.g., evaluation of service acceptance, identification of sector actors' and users' requirements, etc. The contribution from CTI is related to creation of a business model for multimedia services for residential customers. This includes a market analysis of multimedia services, which estimates the demand and identifies the main actors on the multimedia market, and
a techno-economic cost analysis estimating network and production costs related to provision of multimedia services. This activity is co-ordinated by Nokia in Finland, but involves also partners from Italy, Belgium and UK.

Department of Telecommunication
Italtel
Nokia A/S
Alenia Spazio
National Technical University of Athens
Gillam
Burger Breedband Net
Centre for Communication Interface Research
DATSA
Stream
Siemens
Fraunhofer Gesellschaft
CIM EXP Consulting
CLICO HiTech Software Promotion Center
Databank Consulting
Period: 01/07/1996 → 31/12/1998
Number of participants: 3
Project participant:
Enemark, Rasmus (Intern)
Falch, Morten (Intern)
Project Manager, organisational:
Skouby, Knud Erik (Intern)

**Financing sources**
Source: Unknown
Name of research programme: Ukendt
Amount: 1,600,000.00 Danish Kroner

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**GAIA- Generic Architecture for Information Availability**
The GAIA project - funded under the ACTS program (the Advanced Communications Technologies & Services program under the Fourth Framework for EU research) - will develop a sector and supplier independent generic architecture for information to support multilateral information trading. The GAIA architecture will facilitate location and delivery of information, content and digital services through a scaleable brokerage model broadly applicable to distributed information supply chains and networks. CTI's part in the project is mainly user interface and business model development and overall evaluation of functionality.

Department of Telecommunication
Technical Information Center of Denmark
Fretwell Downing
Nexor
Codus
WARP
University of Sheffield
Index Data
Kyros
University of the Aegean
Effects on Employment of the Liberalisation/Privatisation process in the Telecommunications Sector

The structural adjustment of the telecommunications sector, accelerated by technological progress and by the process of liberalisation and privatisation, will have a negative short-term impact on employment amongst the main operators. These short-term effects might be more than compensated for in the longer term by the development and diffusion of telematic services and applications and by externalities associated to investments in information networks and technology. The study aims at estimating these overall employment effects by case studies in different EU-countries. CTI performs the studies of Denmark and Finland.

Interlibrary Lending and Document Delivery in Developing Countries

Universities and research institutions in the developing countries have through the history suffered (are suffering) of the lack of access to new literature. A project sponsored by IFLA and Danida, Interlibrary Lending and Document Delivery in Developing countries, has been set-up with the scope of solving this problem. The project was started in 1996 to facilitate delivery of literature from Danish libraries to a number of university libraries in Ghana using new Information and Communication Technologies. The project is led by the State library in Denmark and CTI has been one of the partners in the project with the responsibility for establishing the necessary ICT infrastructure. Main goals of the project: 1. To establish electronic network links with a regional and global approach to improve universal availability to publication and information 2. To improve the competence of library staff in handling interlibrary loans and document delivery systems 3. To support negotiations with main document centres / libraries to obtain favourable bulk treaties.
INTERACT- Information and Techno-Economics in RACE- Advanced Communications Toolbox

INTERACT provided the RACE community with an integrated on-line, multi-user information service in the area of techno-economics and scenario for the development of advanced communications. The contributions from CTI have been related to following tasks: 1) To provide a server supporting an integrated techno-economics, RACE work and results, and standards information service environment. 2) To compile Scenarios and risk analyses for development of advanced communications, and disseminate these as part of the INTERACT service. 3) To directly assist individual projects with the development of their own scenarios.

Department of Telecommunication

Analysys Ltd.

BIBA

Impacts of information and communication technologies on trade in services.

Department of Photonics Engineering

Technology Assessment in Ghana: Building Research Capabilities at the University of Ghana, Legon

The project is defined as a long-term research collaboration between the involved departments in Denmark and Ghana. The overall aims of the continued research collaboration are: · to develop technology assessment as a research and teaching area at the University of Ghana at Legon · to develop and qualify policy recommendations for general technology policy in Ghana through the institution of a Technology Forum · to facilitate the upgrade of theoretical knowledge, methodological tools and practical experience of the Ghanaian staff through research collaboration. · Provision of expertise in dissemination of results of research to both political fora and private sector companies. Three research areas are defined for the collaboration: i) Research Area I: Telecommunications and information technology infrastructure: research on urban and rural telecommunications, computer systems and network development, and regulation policy. ii)
Research Area II: Energy technology: research on energy efficiency options, the introduction of new forms of energy, and co-ordination of policies under a national energy policy. iii) Research Area III: Energy savings in transport: research on the possibilities for substitution of transport of persons through use of telecommunications

Department of Telecommunication

Department of Civil Engineering

Department of Photonics Engineering

Period: 01/01/1991 → 01/07/2001
Number of participants: 4
Project participant:
Falch, Morten (Intern)
Henten, Anders (Intern)
Møller, Dorte Marianne (Intern)

Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Unknown
Name of research programme: Ukendt
Amount: 3,000,000.00 Danish Kroner

Technology Assessment in Ghana: Building Research Capabilities at the University of Ghana, Legon

This project is defined as a long-term research collaboration between the involved departments in Denmark and Ghana. The overall aims of the continued research collaboration are: i) to develop technology assessment as a research and teaching area at the University of Ghana at Legon ii) to develop and qualify policy recommendations for general technology policy in Ghana through the institution of a Technology Forum iii) to facilitate the upgrade of theoretical knowledge, methodological tools and practical experience of the Ghanaian staff through research collaboration. iv) Provision of expertise in dissemination of results of research to both political fora and private sector companies. Three research areas are defined for the collaboration: i) Research Area I: Telecommunications and information technology infrastructure: research on urban and rural telecommunications, computer systems and network development, and regulation policy. ii) Research Area II: Energy technology: research on energy efficiency options, the introduction of new forms of energy, and co-ordination of policies under a national energy policy. iii) Research Area III: Energy savings in transport: research on the possibilities for substitution of transport of persons through use of telecommunications.

Department of Photonics Engineering

University of Ghana

Period: 01/01/1990 → 31/12/2003
Number of participants: 4
Acronym: TAP
Project participant:
Falch, Morten (Intern)
Henten, Anders (Intern)
Tadayoni, Reza (Intern)

Project Manager, organisational:
Skouby, Knud Erik (Intern)

Financing sources
Source: Sam.arb.aftaler - Statslige danske
Name of research programme: Sam.arb.aftaler - Statslige danske
Amount: 3,000,000.00 Danish Kroner

Macroeconomic technology assessment

Department of Photonics Engineering

Period: 01/10/1989 → 04/01/1994
Number of participants: 2
Phd Student:
Falch, Morten (Intern)
Main Supervisor:
Skouby, Knud Erik (Intern)

Financing sources
Source: Internal funding (public)
Name of research programme: Gammel ordning u/skema-SU
Project: PhD