



a strategic agency under



**ARTIFICIAL INTELLIGENCE SPECIAL SESSION
ON
"SEMANTIC TECHNOLOGY APPLICATIONS IN ECONOMICS"**

**18th July 2011
9.00am - 1.00pm**

Universiti Tenaga Nasional (UNITEN), Malaysia

<http://www.mimos.my/aiss2011/economics.html>

The Artificial Intelligence Special Session on "Semantic Technology Applications in Economics" is jointly organized by Universiti Tenaga Nasional (UNITEN), MIMOS BERHAD and NOTA ASIA in partnership with German National Library of Economics (ZBW) – Leibniz Information Centre for Economics during the Knowledge Technology Week 2011 (KTW2011).

This special session is a focused session featuring talks of leading experts in the field and demo applications on real-world problems. A panel discussion is designed to provide a great opportunity for senior members of government departments, ministries and industrial players who are directly related to economics sector, to address the topic with the right depth, giving it proper visibility, and allowing time for discussion and networking.

For further details please contact:

Abby Ng Pek Kuan (MIMOS)

Tel : +60 3 8995 5000 Ext 5604

Fax : +60 3 8991 4212

Email : pkuan.ng@mimos.my

Website : <http://www.mimos.my/aiss2011/economics.html>

Special Session Program

Target Group

Senior members of government departments, ministries and industrial players who are directly related to economics sector.

Invited Talk I

Speaker : Prof. Klaus Tochtermann

Title : Accessing the World's Literature in Economics

The special session will present the most important online offers for scientific literature in economics. This includes the European Journal Intereconomics, the portal EconBiz for economic literature, the publishing service EconStor, the open access journal Economics as well as all background technologies (e.g. semantic technologies) and systems (e.g. the semantic thesaurus for economics).

- Intereconomics is a leading European journal published by Springer. Each issue comprises the different views on the world economy from international experts.
- EconBiz is the leading portal for scientific literature which integrates content from the most important repositories in economics. In total, EconBiz supports access to more than 1 million publications in PDF.
- EconStor supports researches to publish their papers in a repository. All papers published in EconStor will also be pushed to RePec, the world's largest Open Access repository for research papers in economics.
- Economics is a leading Open Access Journal for Economics. Papers submitted to Economics will be discussed openly by the reviewers and the community prior to final acceptance.

Invited Talk II

Speaker : Dr. Dickson Lukose

Title : Semantic Technology Platform for Globalizing Access to Economic Literature

In this talk, Dr. Lukose will outline the challenge and know-how based on Semantic Technology requisite for enabling global access to Economics Literature. Specifically, the talk will focus on the essential components necessary for this endeavor that is based on the Semantic Technology Platform and its components that were developed at MIMOS over the last 5 years.

Program

Time	Event
9.00am - 9.15am	Welcoming Note and Expert Panelists Introduction
9.15am - 10.00am	Invited Talk I Speaker : Prof. Klaus Tochtermann Title : Accessing the World's Literature in Economics
10.00am - 10.30am	Tea Break
10.30am - 11.00am	Invited Talk II Speaker : Dr. Dickson Lukose Title : Semantic Technology Platform for Globalizing Access to Economic Literature
11.00am - 12.30am	Demo 1. EconBiz 2. EconStor 3. Intereconomics 4. Economics
12.30am - 1.00pm	Panel Discussion 1. Prof. Klaus Tochtermann 2. Dr. Dickson Lukose 3. Dr. Dietrich Albert 4. Mr. Nor Ezam Selan

Speaker Profile



Prof. Klaus Tochtermann

Director
Leibniz Information Centre for Economics, Kiel

Professor for Computer Science
Christian-Albrechts-University Kiel, Germany

Prof. Klaus Tochtermann worked as a scientist at the Chair of Informatics 1 at the University of Dortmund from 1991 to 1996. In 1996 he received a scholarship of the Max-Kade Foundation, Inc. USA and spent his post-doc at the Center for the Studies of Digital Libraries at the A&M University in Texas (USA). During this time he conducted studies in the field of digital libraries and Internet-based applications and services for digital libraries.

Since he started his professional career Prof. Tochtermann successfully acquired a total of about 55 Million Euro research funding, most from matching funds between science and industry. In 1997 he was deputy head of the department for Environmental Information Systems at the, FAW Ulm (Germany). The FAW was an industry research institute with a strong focus on knowledge management and knowledge technologies. FAW was funded by several industry partners including DaimlerChrysler, IBM, BMW, Bosch, Baan etc. Since 1998 he has been the head of the department for Environmental Information Systems at the institute mentioned above. The 17 researchers under his responsibility were focusing on the following main research areas: Internet-based information management, technologies for Internet applications and services, knowledge management, metaknowledge systems, digital libraries, hypermedia, telematics, geographical information systems and technology assessment.

Since October 2000 he has been the director of Austria's first industry-based research institute on knowledge management Know-Center (www.know-center.at). From 2001-2007 Klaus Tochtermann was responsible for a budget of 21 Million Euro at Know-Center (40% from industry; 60% from federal government). In 2007 he managed to acquire further 25 Million Euro (45% from industry and 55% from federal government) for the continuation of Know-Center for the years 2008-2014. Since 2004 Klaus Tochtermann has also been head of the institute for knowledge management at Graz University of Technology. From 2007 to 2009 Klaus Tochtermann was also director of the Institute for Networked Media at Joanneum Research. With its 400 researchers distributed among 14 institutes, Joanneum Research is a state research institute which supports the state government and the local IT industry in developing their IT strategy including R&D projects (annual turnover of the institute 400.000 Euro; annual turnover of Joanneum Research as a whole 40 Mio Euro).

In 2001 Klaus Tochtermann founded the I-KNOW conference on knowledge management. With about 500 participants from about 30 nations I-KNOW has become the largest conference on knowledge management in Europe. Due to its unique concept it successfully bridges the gap between science and industry. This is also reflected in the fact that about 45% of the participants come from industry and 55% from science.

Since 2010, Klaus Tochtermann has been director of the ZBW - Leibniz Information Centre for Economics in Kiel and Hamburg. He also holds a professor position for computer science at Christian-Albrechts- University Kiel (Germany). With an annual budget of 20 Mio Euro and more than 250 employees, ZBW maintains the world's largest library for economics.

Prof. Tochtermann has been member of the program committee of more than 100 international scientific conferences and he has about 220 scientific publications; he gave more than 100 talks and keynotes to scientific and industrial audiences world-wide always with a strong focus on how to transfer scientific knowledge into true innovations for industry.



Dr. Dickson Lukose

Head
Knowledge Technology Cluster
MIMOS BERHAD, Malaysia

Dr. Dickson Lukose (PhD) is the Head of the Knowledge Technology Research and Development Cluster at MIMOS BHD. Dr Lukose is also the director of the Artificial Intelligence Laboratory as well as the Centre of Excellence in Semantic Technologies. Before returning to Malaysia, Dr. Lukose spent many years working in financial services industry developing enterprise applications. He has done over 10 years of academic research in Artificial Intelligence, supported by research grants from Graphic Directions, Leverhulme Foundation, CSIRO, and Australian Research Council. Dr. Lukose has authored over 80 research papers and technical reports on the subject of artificial intelligence, knowledge acquisition and modeling for scientific journals and conference proceedings, chaired or co-chaired over 25 international conferences on these subjects, and edited a number of books in these areas.

His qualifications include B.Sc. (Hons) and PhD from Deakin University (Australia), and Post-Doctorate Research as a Leverhulme Fellow at Loughborough University of Technology (UK). He has carried out teaching and research in Artificial Intelligence at Deakin University (Australia), Loughborough University of Technology (UK), University of Calgary (Canada) and University of New England (Australia). He worked as a Senior Knowledge Engineer with Brightware Inc. (USA), and as Principal Knowledge Engineer with MindBox Inc.(USA). During his tenure with Brightware and Mindbox, he has worked with leading financial institutions in UK, USA and Korea.

Organization Profile



German National Library of Economics Leibniz Information Centre for Economics



The ZBW - German National Library of Economics – Leibniz Information Centre for Economics is the world's largest specialist library for economics, with locations in Kiel and Hamburg. The mission of the ZBW is to procure and supply economic information and literature. The ZBW aims to offer its users comprehensive services that will facilitate efficient and effective utilisation of economics-specific information.

The German National Library of Economics procures economic literature and subject specific information from all over the world. The ZBW makes them available to users by interlibrary lending and document delivery as well as by local lending and uses them as the basis of its information services. The ZBW also engages in national and international projects to advance the development of new information services. The ZBW is a WTO depositary library and maintains a European Documentation Centre at both locations, in Kiel and Hamburg.

ZBW Fact and Figures

- Holdings: 4.3 million books and other publications.
- Number of current journal subscriptions: 31,742 titles.
- Number of title records in the database ECONIS: 5.2 million.
- Number of documents stored in the digital archive EconStor: 24,935
- Number of staff: 260 persons.
- Founding year: 1919.
- Director: Prof. Dr. Klaus Tochtermann
- Financing: the ZBW is financed jointly by the federal and state governments.
- Total annual budget: EUR 20.3 million.

For more information, please visit <http://www.zbw.eu>.