



## Call for Participations IEEE-DEST 2008

### IEEE International Conference on Digital Ecosystems and Technologies

*Creating Value by Making Connections*

Naresuan University  
Phitsanulok, Thailand  
26 – 29 February 2008  
[www.ieee-dest.curtin.edu.au/2008](http://www.ieee-dest.curtin.edu.au/2008)

The digital ecosystem is defined as an open, loosely coupled, domain clustered, demand-driven, self-organising collaborative environment, where each species is proactive and responsive for its own benefit or profit.

Digital Ecosystems are essentially about creating value by making connections in different domains through the use of the modern networked society and economy supported by different forms of collaborative IT frameworks. They lie at the intersection between industry, business, human endeavours, social science, and cutting edge internet technologies and is application driven research.

The underlying technologies that support digital ecosystems have several different variants including semantic web, ontology based knowledge sharing, self organizing intelligent agents, trust and recommender systems, web services and platform based systems. Any given digital ecosystem could rely on one or more of these technologies.

Digital ecosystems capture the essence of the classical, complex ecological environment in nature, where organisms form a dynamic and interrelated complex ecosystem. They conserve and utilise the environment and its resources. This analogy is a new mind-set and way of thinking in the *Digital Economy*. Digital ecosystems transcend the traditional, rigorously defined collaborative environments, such as centralised (client-server) or distributed models (such as peer-to-peer) or hybrid model (such as web services) into a self-organised, interactive environment which offers cost-effective digital services and value-creating activities that attract human, organisational and software agents that participate in and benefit from it.

The conference provides a forum for both IT frameworks to support collaboration in its different forms and domain based collaboration's supported by the digital networked paradigm such as e-humanities, cultural ecosystems, and economic systems.

This conference series helps worldwide researchers further their understanding and broad application of the digital ecosystem ideas, principles and architecture in industry, business, government, social science and other domain disciplines to enhance the productivity, growth, prosperity and social, cultural and economic balance and sustainability.

The main conference theme is to strengthen ICT to support digital ecosystems in different domains, especially focusing on the architectural triangle between industries, human endeavours and advanced ICT. It includes conceptual frameworks, architectures, self-organising infrastructures, ambient intelligence, autonomous agents, e-humanities, social networks, and service-oriented collaborative platforms.

A special focus of this conference is **collaboration** instead of unbridled competition and ICT based catalyst effect in a number of domains to produce network enriched communities.

#### Sponsors

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## Proudly announcing IEEE-DEST 2008 Keynote Speakers



**Prof. Robert Meersman**

*Semantics Technology and Applications Research Laboratory, Vrije University Brussel, Belgium*

**Keynote: Ontologies for Digital Ecosystems**



**Dr. George A Fodor**

*ABB AB Sweden*

**Keynote: The Value of Information as a Theoretical Foundation for Digital Ecosystems**



**Dr. Michael L. Brodie**

*Chief Scientist of Verizon Services Operations in Verizon Communications, one of the world's leading providers of communications services.*

**Proposed Keynote: an Innovation Network in Digital Ecosystems**



**Prof. Carles Sierra**

*Professor at the Artificial Intelligence Research Institute of the Spanish Research Council*

**Keynote: Agents, Information, and Negotiation**



**Dr. Jon Timmis**

*Reader at the University of York in a joint appointment with the Department of Computer Science and Department of Electronics*

**Keynote: Engineering Artificial Immunity**



**Prof. Bertrand Meyer**

*ETH Zurich and Eiffel Software*

**Keynote: Distributed Software Engineering: Research and Education Challenges.**

### PAPERS ARE CALLED FOR ON THE FOLLOWING FIELDS (BUT NOT LIMITED):

Digital Business Ecosystems for Small Medium Enterprises  
 Digital Business Ecosystems for Large Enterprises  
 Political and Economic Impacts of Digital Ecosystems  
 Performance and Evaluation of Digital Ecosystems  
 Intelligent Digital Ecosystems and Technologies  
 Social Science Research in Digital Ecosystems  
 Emerging Concepts in the Field of Ecosystems  
 Collaborative Systems for Digital Ecosystems  
 Service-oriented Collaborative Platforms  
 Interdisciplinary Ecosystems Research  
 Platform based Extended Enterprises  
 Infrastructure for Digital Ecosystems  
 Digital Business Ecosystems  
 Self Organisation of Agents  
 Sociology of Ecosystems  
 e-Learning Ecosystems  
 Security and Privacy  
 Social Networks  
 Trust and Risk  
 e-Humanities  
 Students' Research Track



### CALL FOR TUTORIALS, WORKSHOPS AND SPECIAL SESSIONS

We invite proposals for tutorials, workshops and special sessions to be held in conjunction with the 2008 Second IEEE International Conference on Digital Ecosystems and Technologies (IEEE-DEST 2008). Please submit a full proposal to the conference manager stating your objectives, intended audience, associated costs, projected attendees, committee members and their affiliations and estimated duration of your session, workshop or tutorial. Full proposals are due by 31 July 2007.

### THAILAND

Phitsanulok offers a mixture of historical temples, wonderful food, and a nearby national park. Having spent a few decades as the country's capital in the 15th century, it is now a busy city with plenty to see and do. Eating is an experience here, as there are hundreds of restaurants and food vendors: try those on the Nan River for waterside dinners. There is one of Thailand's most graceful and sacred Buddha images that sits in the 14th C Wat Phra Sri Rattana Mahathat (Wat Yai); Sukhothai is a huge historical park. A World Heritage Site is near by with a hundred-or-so temple sites.



For further information please contact the Conference Secretary:

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