

FUBUTEC'2005 Call for Papers

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FUBUTEC-2005
Future Business Technology Conference 2005
CALL FOR PAPERS

Integrating Simulation and Knowledge Management for Business Advantage

March 10-11, 2005
INSEAD, Fontainebleau
France

Tutorials
Student Papers, Poster Sessions
Partners for Projects Sessions
Exhibition

Organised by
EUROSIS
The European Simulation Society
and Sponsored by
ETI
The European Technology Institute
And
ISA
The International Simulation Association

For latest information see:
<http://biomath.ugent.be/~eurosis/conf/fubutec/fubutec2005/index.html>
(the full website will be online next week)

Featuring
Statistical Analysis and Data Mining of Business Processes
Discrete Event Simulation and Queueing Systems in Business and Economics
Agents in Business Automation and Economics
Simulation in Business and Economics

Simulation in Business Games
Simulation in OR and Knowledge Management
Emergency Management and Risk Analysis Management
Simulation in E-Management, E-Government, E-Commerce and E-Trade

Aim of FUBUIEC'2004

As simulation and integrated knowledge management are regarded as the driving forces behind some of the world's largest and most successful organisations the FUture BUusiness TEchnology Conference aims to push business technology research onto the next evolutionary step beyond the building blocks of present day business practices such as "Operations Research" or 'Business Process Simulation" This conference is meant to integrate them all into an even higher level enterprise wide framework with its new work roles, responsibilities, reward systems methods and tools. In other words, attaining true knowledge management is about radical and fundamentally new ways to create retain share and leverage knowledge of people and organisations in ways that were simply not possible before.

Next to the integral simulation part, the conference will try to provide a strategic business overview of knowledge management in all its varied applications. In this aspect the conference focus is on the latest knowledge strategies that business leaders need in order to become a Knowledge Organisation and to withstand the forces of the financial and management markets in the present day precarious environment, which is the global society.

Papers and extended abstracts are requested, which fall within the scope of the following conference themes:

Statistical Analysis and Data Mining of Business Processes

Advanced statistical techniques for Business: dependency networks, influence diagrams, data envelopment analysis, data mining

Design of Methodological Studies

Machine Learning Techniques with applications in business

Data warehouses, OLAP, meta-data related issues and such

Neural Networks and Support-vector machines in Business

Genetic algorithms in Business

Decision/Classification/Regression Trees and rule-based systems in Business

K-Nearest Neighbours, case-based reasoning and other Methods

Fuzzy-related methodology in Business

Verification and/or validation techniques

Adaptive systems related to machine learning/data mining

Clustering methodologies with applications in business

Time-series methods/applications for Business

Other identification-methods applicable for Business

Applications in data mining

Data Mining or fuzzy-related Tools

Text-mining related to Business

Web Data mining and information retrieval

Fraud-detection, CRM, SRM, ERM

Discrete Event Simulation and Queuing Systems in Business and Economics

Simulation and optimisation
Experimental design of simulation studies
Queuing networks and models
Embedded Heuristics in simulation
Rule-based optimization and simulation

Agents in Business Automation and Economics

Knowledge Management, Intelligent Business Agents, Human and Agent Interaction, Virtual-Agent Based Marketplaces, Automated Shopping and Trading Agents, Agents and E-Commerce, Legal Aspects of agents in e-commerce, performance measurement of e-commerce agents, rational information agents and electronic commerce, Agent-Based Trade and Mediating Services; Virtual Trading Institutions

Agent-Based Interface for <Business Automation
Agent-Based Data Retrieval for Business Automation
Agent-Based Automatic Demand/Supply Formation for Business Automation
Agent-Based Demand/Supply Matching for Business Automation
Agent-Based Transaction Formation for Business Automation
Agent-Based Transaction Implementation for Business Automation
Agent-Based Logistics and Workflow Management for Business Automation
Modeling; System Design and Validation for Agent-Based Business Automation

Applications

Personal Agents
Virtual Agent-Based Office
E-Management and E-Control with Agents
E-Trade and E-Marketplace with Agents
E-Payment and E-Banking with Agents
Financial and Investment Agent-Based Applications
Agent-Based Supply Chain and B2B Systems
Agents for Games on the Internet
Wireless Agent-Based Systems
Semantic Web and Agents
Large Scale E-Business: Agent Based Systems

Agent Methodology
Agent Learning
Agent Negotiation
Agent Trusts and Trust Based Action
Agent Cooperation Competition
AI Techniques: Neural Networks
Agent Coordination for Cooperative Systems
Agent Communication/Interaction
Agent Security and Authentication
Agent Visualization
Agent and Multi-Agent Architecture
Distributed and Real-Time Techniques

Simulation in Business and Economics

Business process engineering and simulation
Simulation in customer-oriented service processes
Decision support systems
Simulation in Finance and Risk Management
Simulation in workflow management
Process mapping and simulation
Simulation of production processes and equipment
Business Information Modeling Methods and Methodologies
UML and UP in Business Modelling
UML and UP for Enterprise Modeling

Simulation in Business Games

Enhancing strategic thinking and decision making capabilities using simulation games
Simulating Key Management and Strategic Issues
Customized Business Simulation Applications
Systems Thinking and System Dynamics
Visualizing, analyzing and solving challenges and opportunities
Using games to achieve strategic objectives
Simulation with "man in the loop"
Virtual Reality systems
Realistic presentation of simulation results
Simulation for training and education
Web-based simulation
Multi-site Group simulation
Simulation of Emergency procedures (Disaster gaming)

Simulation in OR and Knowledge Management

The skill of the management scientist lies in the ability to balance the reality of the developed model with the effort that it will take to find an answer to the problem.

Many decision support systems (DSS) use representational models to predict the impact of possible decisions. There are two major types of model: simulation and analytical. A more subjective approach to decision-making is needed. While information and some form of data processing are essential, the decision-maker should adopt a less structured approach to the way the data is used. The development of interactive software has given more flexibility to the way in which the decision-maker uses the data and the applied models. This is the essence of decision support systems. Simulation models as used in business, policy, conflict situations, and crisis management through, in almost all cases, dynamic, discrete-event, and stochastic models. According to the application area, the researcher or designer should model the real-world situation very carefully. An incorrect, incomplete, or inconsistent model could result in a bad decision being made by the decision-maker possibly resulting in economic loss, physical damage or injury. The simulation models and their applications should take into account uncertainty and thus contain procedures for risk analysis. We are therefore interested in research presentations on the science of designing and developing simulation models to solve decisional problems in policy, management, conflict situations, and anti-disaster actions. In particular (but not exclusively), we welcome presentations and reports in the following areas:

- new developments and sound practice in the use of interactive simulation in building decision support systems for conflict situations (including simulation games);
- practice in the use of hybrid systems (artificial intelligence in simulation environments) as decision support in political, conflict and anti-disaster problems;

- simulation based logistics decision support systems;
- model based simulation in risk analysis for decision makers;
- application of simulation based pattern recognition in complex adaptive systems to identify and classify a situation to solve decision problems.
- Project Management
- Project Intelligence
- From Modelling to Management
- Consumer Demand Behaviour
- Modelling Future Demand
- Data Modelling Tools
- Sustainable Development Simulation
- Business Process: Integration, Workflow and Process Management
- Representation of Processes to Business Management
- Achieving Flexibility
- Encapsulating Processes the influence of the OO Revolution
- From Business Model to Operational Performance Support
- Models with the end users in mind
- Best practice Processes
- Business Process Modelling including information architecture and persuasive
- Web design
- Creating and sharing knowledge

Emergency Management and Risk Analysis Management

This part of the conference concerns itself more with the more "extreme" aspects of management, extreme managerial situations or management problem solving.

This track covers

- Risk identification, analysis and assessment
- Risk sensing
- Risk scenario modelling, procedures formulation and planning: (Prevention, Preparedness, Mitigation, Response, Recovery)

Crisis management – extreme events or total disaster

- Environment (forest fires, marine risk – tanker disaster, flood, earthquakes, drought, volcanic eruptions)
- Industrial (Hazards, Accidents (nuclear meltdown), Technology (asbestos))
- Terrorist (Extreme events (September 11), Civil Protection, Conflicts risk management – security (Petersberg tasks))
- Project risk management (Investment decisions, Research projects risk management, Extremely risky projects risk management (space exploration), Software development risk management.
- Enterprise risk management (Decision-making, Venture capital)
- Financial risk management (Stocks, Portfolio selection, Options, Credit Risk Assessment, Insurance sector)
- Crisis management (Extreme events, Total disaster)
- Financial Modelling and simulation (Black-Scholes Model, Real Options, Wiener process, Risk measures)
- Business Process Reengineering (BPR)
- Probabilistic Risk Assessment (PRA)
- Fault Tree Analysis (Static and Dynamic FTA)
- Event Tree Analysis (ETA)

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- HAZIP (Hazard identification) tools (HAZOP (Hazard and Operability Study), Judgement, FMEA (Failure Modes and Effects Analysis), SWIFT (Structured What-IF Checklist Technique)
- Human Error Analysis (HEA)

Simulation in E-Management, E-Government, E-Commerce and E-Trade

e-learning/ education management, knowledge management, knowledge economy, multimedia in manufacturing companies, maintenance of technical facilities and maintenance service management UML applications in Risk Management Modelling. E-democracy, electronic local government, the digital divide, e-governors, citizen centric services, GovMI Description Language, Government Portals, Shared contact centres, Costs and Risks, Customer relationship management, Models for automatic evaluation of public sector sites, the role of standards, knowledge management, community portal dynamics, diversity, creativity, Innovation and Knowledge Management in the Service Sector,
Integrated Electronic Records, from e-government to e-regulation.
Knowledge Management and Dynamic Portals
Learning Networks: Policy making through portals
Portals with Purpose Case Studies
e-government portal design and Evolution
Risk Based Testing of E-government Portals

TUTORIALS

Tutorials can be proposed in the following three categories:

- T1- Introductory tutorials
- T2- State of the Art Tutorials
- T3- Software and Modelware Tutorials

Tutorial proposals should be emailed to Philippe.Geril@biomath.ugent.be

POSTER SESSION

The poster session only features work in progress. Next to the actual poster presentation, these submissions also feature as short papers in the Proceedings.

STUDENTS SESSION

This session is for students who want to present their work in progress or part of their doctoral thesis as a paper. Student papers are denoted by the fact that only the name of the student appears on the paper as an author. They are published as short papers in the Proceedings.

DIVERSE ACTIVITIES

For demonstrations or video sessions, please contact EUROSIS. Special session will be set up for vendor presentations in co-ordination with the scientific program. User Group meetings for simulation languages and tools can be organised the day before the conference. If you would like to arrange a meeting, please contact the Conference Chairs. We will be happy to provide a meeting room and other necessary equipment.
Partners for projects session(s) will be organised by EUROSIS to give potential project teams or individuals the opportunity to

present their research in order to link up with fellow researchers for future research projects. Those wishing to participate in this session need to send a proposal to EUROSIS.

A EUROSIS TC Information Meeting of the management simulation TC's

EXHIBITION

A special exhibition will be held during the conference focused on simulation tools. For more information please contact EUROSIS for further details. Email: Philippe.Geril@biomath.ugent.be

DEADLINES AND REQUIREMENTS

Send all submissions in an ELECTRONIC FORM ONLY in uuencoded, zipped Microsoft Word format, PDF or Postscript format indicating the designated track and type of submission (full paper or an extended abstract) to the EUROSIS (Philippe.Geril@biomath.ugent.be). Please provide your name, affiliation, full mailing address, telephone / fax number and Email address on all submissions as well. For submissions please put in the subject of your Email the following indications: FUBUTEC'2005 and designated track or USE THE ABSTRACT SUBMISSION PAGE!!

Only original papers, which have not been published elsewhere, will be accepted for publication

REGISTRATION FEES

Registration Fees

Author	EUROSIS	Other
	Members	Participants

Pre-reg before	475 EURO	475 EURO	535 EURO
February 20th	2005		

Registration after Pre-registration	535 EURO	595 EURO
February 20th 2005	required	

The registration fee includes one copy of the Conference Proceedings, coffee and tea during the breaks, all lunches, a welcome cocktail a conference dinner and a guided visit to a company in the area of the conference site.

PAPER SUBMISSION TYPES

FULL PAPER (including abstract, conclusions, diagrams, references)
During review, the submitted full papers can be accepted as a regular 5 page paper. If excellent, full papers can be accepted by the program committee as an extended (8-page) paper. Each submission will be reviewed by at least three members of the International Program Committee.

EXTENDED ABSTRACT (at least five pages)
Participants may also submit a 5 page extended abstract for a

regular (5 pages) or short (3 pages) paper or poster, which will be reviewed by the International Program Committee. All accepted papers will be published in the FUBUTEC'2004 Conference Proceedings.

SHORT ABSTRACT (at least three pages)

Participants may also submit a 3 page abstract for a short paper or poster, which will be reviewed by the International Program Committee. All accepted papers will be published in the FUBUTEC'2004 Conference Proceedings.

ONE PAGE ABSTRACTS ARE NOT ACCEPTED.

CORRESPONDENCE ADDRESS

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OUTSTANDING PAPER AWARD

The 2004 FUBUTEC Conference Committee will select the Outstanding Paper of the Conference. The author of this paper will be awarded a free registration for a EUROSIS conference. Only papers SUBMITTED AS FULL papers will be eligible for the Outstanding Paper Award.

LANGUAGE

The official conference language for all papers and presentations is English.

IMPORTANT DEADLINES

EARLY SUBMISSION DEADLINE NOVEMBER 20TH 2004

December 15th, 2004:

Submit contributed full–papers

(5 to 8 proceedings pages) not previously published. These submissions, when accepted will be published as regular or extended papers, depending on their quality.

December 15th, 2004:

Submit extended abstracts (5 abstract pages) or short papers (3 abstract pages), reports of scientific projects and summaries of posters. These submissions, when accepted will be published as regular, of up to 5 proceedings page papers.

December 15th, 2004:

Submit one –to –three page proposals to present tutorials, to organise and chair panel sessions, to organise user meetings,

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vendor sessions or to exhibit software

December 15th, 2004:

Submit abstracts for student and poster session

January 20, 2005:

Notification of Acceptance or Rejection

February 20, 2005:

Authors provide camera-ready manuscript

March 10–11, 2005:

Conference

VENUE: INSEAD, (www.insead.edu) FONTAINEBLEAU, FRANCE

More information will be available on the website

REPLY CARD

First Name:

Surname:

Occupation and/or Title:

Affiliation:

Mailing Address

Zip code: City: Country.

Telephone: Fax:

E-Mail:

Yes, I intend to attend the FUBUTEC'2004:

Presenting a paper, by submitting a full paper

Presenting a short paper (by submitting an extended abstract)

Participating in the industrial program

Organizing a vendor session

Proposing a panel discussion (please mention names of panellists)

Contributing to the exhibition

Without presenting a paper

The provisional title of my paper / exhibited tool is:

With the following highlights:

The paper belongs to the category (please tick only one):

Statistical Analysis and Data Mining of Business Processes

Discrete Event Simulation and Queueing Systems in Business and Economics

Agents in Business Automation and Economics

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- Simulation in Business and Economics
- Simulation in Business Games
- Simulation in OR and Knowledge Management
- Emergency Management and Risk Analysis Management
- Simulation in E-Management, E-Government, E-Commerce and E-Trade
- Poster session
- Student Session

Other colleague(s) interested in the topics of the conference

is/are:

Name:

Address:

Name:

Address:

If you would like to receive more information about EUROSIS and its activities, please tick the following box:

YES, I would like to know more about EUROSIS

NO, please remove me from your database.

Please send or fax this card immediately to: (fax: +32.9.223.49.41)

Philippe Geril, The European Simulation Society, EUROSIS,
Ghent University, Coupure Links 653, B-9000 Ghent, Belgium

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B-9000 Ghent	URL: http://biomath.ugent.be/~eurosis
Belgium	URL: http://www.sim-center.net

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* Computer Simulation - Concurrent Engineering - Multimedia- Games *
*                               WWW.EUROSIS.ORG                               *

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