Wednesday, 8 October 2003

10:00 - 14:00 Registration

14:00 - 14:30 Opening session Room 109

14:30 - 15:45 Session 1 [ Plenary session ] Room 109
Information modelling and representation
Chair: Rudi STOUFFS

John GERO, Vladimir KAZAKOV
On measuring the visual complexity of 3D solid objects

Jos P. VAN LEEUWEN, Sverker FRIDQVIST
Object version control for collaborative design: Characteristics of the concept-modelling framework

Hans SCHEVERS, Edwin DADO, Reza BEHESHTI
Towards an agent based early design environment: A framework implementation using Java

15:45 - 16:15 Coffee break

16:15 - 18:00 Session 2 [ Parallel session ] Room 109
Design environments and multimedia
Chair: Bob MARTENS

Ercument GORGUL, Emine GORGUL
Spaces of immersive media: Transformation of spatial enclosure to interface of information

Ahmad RAFI
Motion capture: Animation alternative for creative exploration

Burcu SENYAPILI
A demonstrational case of a visual reference tool model for architectural heritage

Sevil SARIYILDIZ, Ozer CIFTCIIOGLU, Rudi STOUFFS, Bige TUNÇER, Saban Suat OZSARIYILDIZ
Information, communication and knowledge technology in the building sector

19:00 Reception
Thursday, 9 October 2003

9:00 - 10:15 Session 4 [ Plenary session ] Room 109
Automation in building and construction
Chair: Robert AMOR

9:00 - 9:50 Keynote lecture
Prof. Chimay J. ANUMBA
Agents and multi-agent systems for the AEC sector

9:50 - 10:15 Chris GORDON, Frank BOUKAMP, Daniel HUBER, Edward LATIMER, Kuhn PARK, Burcu AKINCI
Combining reality capture technologies for construction defect detection: A case study

10:15 - 10:45 Coffee break

10:45 - 12:30 Session 5 [ Plenary session ] Room 109
Design communication
Chair: Khaldoun ZREIK

Sabrina KACHER, Jean-Claude BIGNON, Gilles HALIN
Image indexing vocabulary in architecture: Taxonomic hierarchy and categorisation

Jan KOOSTRA, Rudi STOUFFS, Bige TUNÇER
Metadata as a means for correspondence in design analysis

Rivka OXMAN
Virtual university for design: E-teaching and e-learning for design

Bob MARTENS, Ziga TURK, Bo-Christo BJÖRK
The SciX Platform - Reaffirming the role of professional societies in scientific information exchange

12:30 - 14:00 Lunch

14:00 - 15:45 Session 6 [ Parallel session ] Room 109
Design requirements and generative design
Chair: John GERO

Can BAYKAN
Spatial relations and architectural plans: Layout problems and a language for their design requirements

Ipék ÖZKAYA, Omer AKIN
Electronic requirement management: A framework for architectural requirement engineering

John Paul SWIFT
The National Museum of Australia: A study in generative design

Aant VAN DER ZEE, Bauke DE VRIES
Evolutionary development of early stage design alternatives for buildings

Session 7 [ Parallel session ] Room 213
Process modelling and business process reengineering
Chair: Edwin DADO

Mohamed BOUATTOUR, Gilles HALIN, Jean Claude BIGNON
A cooperation model for architectural design: The virtual cooperative project

Michael CUMMING
Coordination of design using loops and peergroups

Paul STEPHENSOn, Teck Leong CHUAN
E-business in supporting supply chain activities in the Malaysian construction industry

Sule TASLI PEKTAS
Process integration in building design using the parameter-based design structure matrix
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Friday, 10 October 2003

9:00 - 10:15 Session 10 [ Plenary session ]  Room 109
Dynamic architecture and urbanism
Chair: Sevil SARIYILDIZ

9:00 - 9:50 Keynote lecture

Prof. Kas OOSTERHUIS
Emotive Architecture

9:50 - 10:15 Peter SZALAPAJ
The representation of contextual place for urban and rural planning

10:45 - 12:30 Session 11 [ Plenary session ]  Room 109
Information modelling and exchange
Chair: (Burcu AKINCI)

Robert AMOR, Wolfgang KLOEP
E-Product catalogues

Edwin DADO, Reza BEHESHTI, Eddie KOENDERS
The integrated construction site of the future

Yasemin NIELSEN, Francis T. EDUM-FOTWE
Information flow automation and related security aspects in public construction projects

Eddy KOENDERS, Edwin DADO
Towards a virtual platform for e-materials

12:30 - 14:00 Lunch

14:00 - 16:05 Session 12 [ Plenary session ]  Room 109
Design collaboration and online environments
Chair: Omer AKIN

Evren AKAR, Bige TUNCER, Jelle ATTEMA, Rudi STOUFFS
Design and evaluation of a collaborative virtual space: InfoBase

Kas OOSTERHUIS, Hans HUBERS, Christian FRIEDRICH, Sven BLOKKER, Michael BITTERMANN, Chris KIEVID
Virtual Operation Room [VOR]: A time-based architecture for the augmented body

Aysu SAGUN, Halime DEMIRKAN
Evolutionary collaborative design studios

Michael MULLINS, Tadeja ZUPANCIC STROJAN, Matevz JUVANCIC
Communicating professional design intentions to the lay public on the internet

Salih OFLUOGLU
Interactive building product information in the context of e-commerce world

16:05 - 16:20 Closing session