Workshop 3: Schedule

Implementation Issues in Generative Design Systems
Saturday 17 July 2004, 14:00 - 17:45

14:00: Introductory note
Chairs

14:10: Session 1: Strict grammar-oriented approach
Moderator: José Duarte, Technical University of Lisbon, Portugal

A set-based shape grammar interpreter, with thoughts on emergence (15 + 5 min)
Andrew I-Kang Li and Lau Man Kuen, The Chinese University of Hong Kong, China

Grammars, Sorts and Implementation (15 + 5 min)
Rudi Stouffs and Ramesh Krishnamurti, CMU, USA

Shaper 2D: an interactive shape grammar interpreter (15 + 5 min)
Miranda McGill, MIT, USA

A studio exercise in rule-based composition (15 + 5 min)
Sotirios Kotsopoulos and Haldane Liew, MIT, USA

Universal design + case driven computation (15 + 5 min)
Stylianos Dritsas, MIT, USA

15:50 Coffee Break and Poster Presentations

16:00 Session 2: Other approaches
Moderator: Luisa Caldas, Technical University of Lisbon, Portugal

Generative Design: from algorithms to intuitive and interactive software demonstrators (15 + 5 min)
Kristina Shea and Marina Gourtovaia, Cambridge University, UK

Emergent Designer: An Integrated Research and Design Support Tool Based on Models of Complex Systems (15 + 5 min)
Rafal Kicinger, Tomasz Arciszewski, George Mason University, USA

Geometry as a substitute for structural analysis in generative design tools (15 + 5 min)
Martin Hemberg, Una-May O'Reilly, Imperial College, UK and MIT, USA

Argenia, a mother tongue in infinite variations: identity rises from a soundless site, because birds have no tears (15 + 5 min)
Celestino Soddu and Enrica Colabella, Politecnico di Milano University, Italy

Hermes: a computational tool for proportionality analysis in design (15 + 5 min)
Athanassios Economou, Georgia Tech, USA

17:20 Final Discussion (25 min)

17:45 Closure

Note: Each presentation slot includes paper presentation and software demo (15 min), and discussion (5 min). Presenters without software demos will have their presentations shortened to 8 min.