

EuropIA.11
11th International Conference on Design Sciences & Technology

Digital Thinking
in Architecture, Civil Engineering, Archaeology, Urban Planning and Design:
Finding the Ways

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| 19 September 2007 | | |
| 8h00-9h00 | Registration | |
| 9h00-10h00 | Keynote lecture by Thomas Seebohm | Paradigm Shifts |
| 10h00-10h30 | Coffee break | |
| | <u>Architecture</u> Session chair: K. Zreik | |
| 10h30-10h50 | Kostas Terzidis | The Use of Computers in Architectural Design: A Critical Perspective |
| 10h50-11h10 | Yi Zhu, Dorta & De Paoli | A Comparing Study of the influence of CAAD Tools to Conceptual Architecture Design Phase |
| 11h10-11h30 | Ameziane, Elias, Koch & Pinson | The use of digital imaging in architectural and urban projects' practice and its impact on non-experts' project perception |
| 11h30-11h50 | Hicham Zakaria | Proposal of a new approach for simulating transformations of a built environment: case of Saint-Laurent shop fronts in Montréal |
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| 12h00-14h00 | Lunch at the HEC | |
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| | <u>Heritage and Archeology</u> Session chair: J. Revez | |
| 14h00-14h20 | Nathalie Charbonneau | Towards new ways of acquiring knowledge regarding architectural typologies |
| 14h20-14h40 | Mackay & Silva | CAD-Friendly Form, Shape, Ratio and Proportion in Inca Architecture and Urban Planning |
| 14h40-15h00 | Sposito & Caruso | Virtual and augmented reality for archaeology: the acropolis of Gela |
| 15h00-15h30 | Coffee break | |
| 15h30-15h50 | El Khoury, De Paoli & Khayat | Methodological experiments for understanding Cultural Heritage |
| 15h50-16h10 | Charbonneau & Revez | Using Computer-Aided Restitution of Hieroglyphic Inscriptions as a Means to Reconstruct Ancient Egyptian Temples. |
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| 18h30-20h00 | Cocktail, Faculty of Environmental Design | |

| 20 September 2007 | | |
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| 9h00-10h00 | Keynote lecture by Temy Tidafi | New digital cultures Facing Complexity: Archaeology and Modeling |
| 10h00-10h30 | Coffee break | |
| | <u>Design Education</u> Session chair: M. Guité | |
| 10h30-10h50 | Beheshti, Zreik & Özsariyildiz | Digital Learning Environments for Architects and Engineers |
| 10h50-11h10 | Stavric, Schimek & Wiltsche | Cybertecture: the use of digital and analog media in architectural design education |
| 11h10-11h30 | Iordanova & Tidafi | Referents modeling for the architectural design studio: Cognitive bases |
| 11h30-11h50 | Silva & Lima | Project-Based Learning in CAAD Education |
| 12h00-14h00 | Lunch at the HEC | |
| | <u>Art and design</u> Session chair: T. Dorta | |
| 14h00-14h20 | Tosti & Veirum | The Disquieting Duckling |
| 14h20-14h40 | Aksoy & Kozikoğlu | Cultivating transdisciplinary creativity |
| 14h40-15h00 | Robert Hugh Flanagan | Discontinuities in Emergent Technology: Daniel Libeskind's Expansion of the Denver Art Museum. |
| 15h00-15h30 | Coffee break | |
| 15h30-15h50 | Vince Dziekan | <i>Remote</i> : Curatorial Design and the Digital Mediation of Exhibition Space |
| 15h50-16h10 | Tomas Dorta | Augmented Sketches and Models: The Hybrid Ideation Space as a Cognitive Artifact for Conceptual Design |
| 16h10-16h30 | Ahmed & Côté | Impact of Exploration Mode on Spatial Knowledge Acquisition in Non-immersive 3D Virtual Environments |
| 18h30-21h00 | Conference Dinner | |

| 21 September 2007 | | |
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| | <u>Design support environment</u> Session chair: T. Seebohm | |
| 9h00-9h20 | Zisko-Aksamija & Ali | Emerging Technologies and Sustainability Practices in Architecture: Aiming for Zero-Energy Buildings |
| 9h20-9h40 | Bezirtzis, Lewis & Cline | Visual Strategies for Parametric Modeling in Interactive Evolutionary Design |
| 9h40-10h00 | Marques & Woodbury | Federation Modeling: Interactions in Parametric Design |
| 10h00-10h20 | Guéna & Untersteller | Free-hand sketching interface for designing tensile structures |
| 10h20-10h50 | Coffee break | |
| 10h50-11h10 | Monique Vandresen | The Green Blogosphere and the role of Design |
| 11h10-11h30 | Vincent Turre | Inverse Daylighting for Opening Design |
| 11h30-11h50 | Weller, Gross & Yi-Luen Do | Architectural Robotics: A New Paradigm for the Built Environment |
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| 11h50-14h00 | Lunch at the HEC | |
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| | <u>Collaborative design</u> Session chair: T. Tidafi | |
| 14h00-14h20 | Alexandre Joyce | Crowdsourcing Creativity: Participatory design over the internet |
| 14h20-14h40 | Tseng Lan-ting | From Text to Conceptual Network in Case of the Term 'Community' |
| 14h40-15h00 | Coffee break | |
| 15h00-16h00 | Round Table and closure of Europa-11 | |