Iugeral models for the park of the aquaeducti aniensi: a new archaeological restraint. Castel Madama (Rome) Italy

This paper is the development of a research presented at the international Conference "Designing the archaeological landscape" \(^1\) (Castel Madama, Jan. 23rd 2008). The case study focuses on iugeral nets of the acquaeducts in the Aniene valley near Castel Madama (Rome), showing in some areas accordance between iugeral direction and modulus and the modern rural land partition. The persistence of this net has been interpreted as the relic of the roman land division \(^2\) through more than 2000 years. Following these theoretical premises, the iugeral nets have been proposed as a model for landscape design. A new archaeological restraint, based on the *ius gerum*, has been proposed and accepted in the variante generale of the P.R.G. of Castel Madama to conceive a new archaeological park. An international workshop (Sapienza-University of Miami, Castel Madama-Rome, Jan. 23rd- Apr. 22nd 2008) experimented architectural and landscape design based on iugeral orientation/modulus and appropriate distance from the acquaeducts. A new archaeological park has been conceived using archaeological models and sustainable architectures in accordance with the local Agenda 21 (Provincia di Roma), following the *European Landscape Convention*. \(^3\)

\(^2\) *Lex quinctia de aquaeductibus*, June 30th, 9 B.C.
ISUF
International Seminar on Urban Form

ISUF Conference 2008

Landscape and Urban Form

Artimino (Carmignano, Prato), Italy
Medicean Villa ‘La Ferdinanda’

November 21-23, 2008

Co-sponsored with
CISPUT
International Center for the Study of Urban
and Regional Evolution
Urban form has always been in focus of the development of knowledge on the city and consists of both cognitive and normative theories. The growing international interest in urban morphology as an interdisciplinary field of architectural and built form research led to the establishment of the International Seminar on Urban Form (ISUF) in 1994.

It is within the frame of ISUF activities and its promotion for the creation of regional entities of urban morphology that the ISUF Italia was formalized in 2006.

The CISPUT (Centro Internazionale per lo Studio dei Processi Urbani e Territoriali), International Center for the Study of Urban and Regional Evolution, was founded in Pienza in 1981. The aims and purposes of CISPUT are:

a) To promote and develop research that identifies, records and interprets historical changes in the built environment; to study ways of restoring and preserving the built environment. CISPUT has as its special field of interest the historic city centers and their associated region.

b) To organize courses, exhibitions, conferences and seminars, to edit the proceedings of these conferences and to publish special research. CISPUT hopes to collaborate with universities, schools, institutions, scientific and scholarly societies and other cultural associations.

c) To undertake educational programs that will lead to a better comprehension of the built environment and promote an understanding of the urban and regional heritage.

In association with ISUF, the CISPUT is now organizing an International Conference called Landscape and Urban Form. The conference is held in Artimino (Carmignano, Prato), in the historic Medicean Villa ‘La Ferdinanda’, in November 21-23, 2008. The conference aims at highlighting the latest work from international centers as well as recent Italian research and practice in urban morphology and thereby provide urban morphologists the opportunity to discuss and compare their research with the international work in the field.
Programme
ISUF Conference 2008
Artimino (Carmignano, Prato)  21-23 November

“Landscape and urban form”

FRIDAY   21

2.00 – 4.00 p.m.  - Registration
4.00 – 5.15 p.m.  - UM Editorial Board (Members only: Room B)
5.15 p.m.  - Welcome Coffee
             - Inauguration of the Exhibition
“Carmignano, its Territory and its Settlements”
5.15 – 6.30 p.m.  - ISUF Council (Members only: Room B)

ROOM A

6.30-7.00 p.m.  - Welcome remarks
Doriano Cirri, Mayor of Carmignano
Ulisse Tramonti, Director of Dipartimento di Progettazione dell’Architettura, Università di Firenze
Gian Luigi Maffei, President of ISUF
Alessandro Merlo, President of CISPUT
7.00-7.45 p.m.  - Keynote lecture:
Urban forms and landscape: hard times, new issues?
Pier Giorgio Gerosa, École Nationale Superieure d’Architecture de Strasbourg, Strasbourg, France
8.30 p.m.  - Dinner

SATURDAY   22

ROOM A

9.00-9.45 a.m  - Keynote lecture:
Through the French urban landscape, and what can we find there
Michaël Darin, École Nationale Superieure d’Architecture de Versailles, Versailles, France

ROOM B

9.45-10.45 a.m.  - Chair: Jeremy Whitehand
Malignant land use/cover expansion in human communities
Warren M. Hern, Departement of Anthropology, University of Colorado, Boulder, Colorado, USA

Planned cities and landscape: historic cases in Finland
Marjut Kirjakka, Helsinki, Finland

ROOM C

9.45-10.45 a.m.  - Chair: Nicola Marzot
Inherited urban forms and the challenge of the twenty first century
Jorge Ricardo Ferreira Pinto, Faculdade de Letras da Universidade do Porto, Porto, Portugal
The urban spatial cycles related to economic cycles. Theoretical base for empirical research
Rozana Rivas de Araújo & Maria Alice Lahorgue, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brazil

10.45 a.m. - Coffee break

ROOM B

11.00-12.00 a.m. - Chair: Jeremy Whitehand
Urban Morphology and landscape concepts as instruments for planning practices
Staël de Alvarenga Pereira Costa, Escola de Arquitetura, Departamento de Urbanismo, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil

Fringe belts and Green belts
Sigridur Kristjansdottir, Agricultural University of Iceland, Borgarnes, Iceland

ROOM C

11.00-12.00 a.m. - Chair: Nicola Marzot
New paradigms for the contemporary landscape: environmental lanning and urban form in an Amazon town
Paolo L. Codo Dias & Lucia Capanema Alves, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil

Crisis and new opportunities of Sardinian rural landscapes
Adriano Dessi, Dipartimento di Architettura - Università degli Studi di Cagliari, Cagliari, Italy

12.30 p.m - Lunch

ROOM A

2.30-3.15 p.m. - Keynote lecture:
How growing cities internalize their old urban fringes
Michael Conzen, Committee on Geographical Studies, University of Chicago, Chicago, IL, USA

ROOM B

3.15-4.45 p.m. - Chair: Staël de Alvarenga Pereira Costa
Spatial culture related to the private and public planning of Aracaju (1855-2003)
Eder Donizeti da Silva & Adriana Dantas Nogueira, Federal University of Sergipe, Aracaju, Sergipe, Brazil

Detailed plan of the historical center: in the merit of the historical urban fabric
Pico Farnese & Paolo Carlotti, Facoltà di Architettura, Politecnico di Bari, Bari, Italy

The urban legislation and morphology of Moema (São Paulo, Brazil)
Denise Antonucci, FAU, Universidade Presbiteriana Mackenzie, São Paulo, SP, Brazil
ROOM C
3.15-4.45 p.m.  - Chair: Shigeru Sato
Mapping Urban Symbolic Order
Ana Paula Polidori Zechlinski & Romulo Krafta, Federal University of Rio Grande do Sul, Porto Alegre, RS, Brazil
A methodology for eliciting the public multi-sensory image of urban open spaces
Paula Barros, Oxford Brookes University, Belo Horizonte, MG, Brazil

Landscape and urban form. Linguistical components of settlement types
Mario Gallarati, Studio Architettura Gallarati, Genova, Italy

4.45 p.m.  - Coffee break

ROOM B
5.00-6.30 p.m.  - Chair: Staël de Alvarenga Pereira Costa
Sustainable transport modes: a solution of transport dilemma in Auckland
Ning Huang & Robert Vale, School of Architecture and Planning, University of Auckland, Auckland, New Zealand

Disperse Urbanization in Região dos Lagos: a case study
Gabriela Campos, Michele Coyunji & Werther Holzer, Universidade Federal Fluminense, Niterói, RJ, Brazil

The international influences on the planning of Abuja, the new capital of Nigeria
Jurgen Lafrenz, Universitat Hamburg, Hamburg, Germany

ROOM C
5.00-7.00 p.m.  - Chair: Shigeru Sato
The concept of ‘Cultural Region’. Between landscape and urban form: the Emilian case-study
Marco Maretto, Dipartimento di Ingegneria Civile, dell’Ambiente, del Territorio e Architettura, Facoltà di Architettura, Università degli Studi di Parma, Parma, Italy

A study on the interaction between town layout and nature: the urban landscape of Maringá, Brasil
Karin Schwabe Meneguetti & Renato Leão Rego, Departamento de Arquitetura e Urbanismo, Universidade Estadual de Maringá, Maringá, PR, Brasil

Village-scape and morphology: a study on Chinese historic villages
Sheng Ying, Shanghai Tongji, Urban Planning & Design Institute, Shanghai, China

Urban morphology and planning: exploring the fringe-belt concept in Auckland, New Zealand
Kai Gu, School of Architecture and Planning, University of Auckland, Auckland, New Zealand

8.00 p.m.  – Gala dinner

SUNDAY  23

ROOM A
9.00-9.45 a.m  - Keynote lecture:
The concept of territory of the Muratorian school
Attilio Petruccioli, Facoltà di Architettura, Politecnico di Bari, Bari, Italy
ROOM B

9.45-10.45 a.m. - Chair: Giuseppe Strappa

Lhasa: urban morphology in transit
Amund Sinding-Larsen, Norwegian University and Science, Trondheim, Norway

Iugeral models for the park of the aquaeducti aniensi: a new archaeological restraint. Castel Madama (Rome) Italy
Alessandro Camiz, Università di Roma ‘La Sapienza’, Facoltà di Architettura ‘Valle Giulia’, Roma, Italy

ROOM C

9.45-10.45 a.m. - Chair: Michael Barke

The morphological aspects of the construction of Lisbon’s landscape territory: Urban Form vs. Cultural identity in the county of Cascais
Maria Amelia Cabrita & Teresa Marat-Mendes, ISCTE, Department of Architecture and Urbanism, Lisboa, Portugal

Urban landscape and the new suburbs in Rio de Janeiro, Brazil
Maria Marta dos Santos Camisassa, Universidade Federal de Vicsosa, Vicsosa, MG, Brazil

10.45 a.m. - Coffee break

ROOM B

11.00-12.30 a.m. - Chair: Giuseppe Strappa

The mediterranean city of Parga in Epyro, process of development from the past to the future next
Marilena Novelli & Enrico Genovesi, Facoltà di Architettura L. Quaroni, Università ‘La Sapienza’, Roma, Italy

Contemporary urbanism and urban morphology in the cities of north of Portugal (1852-1926)
Mário Gonçalves Fernandes, Departamento de Geografia, Faculdade de Letras da Universidade do Porto, Porto, Portugal

The transformation of the urban tissue in the Tetrarchy imperial residencies
Giacomo Gallarati, Facoltà di Architettura, Genova, Italy

ROOM C

11.00-12.30 a.m. - Chair: Michael Barke

Transformation coastal process along the ‘Salpi’ Lagoon. From the Urban structure of Margherita di Savoia to the develop of the agricultural housing on the sand bar
Giuseppe Francesco Rociola, Politecnico di Bari, Bari, Italy

Afonso Pena Avenue: between the creek and the mountain range
Bernardo Nogueira Capute, Camila Marques Zyngier & Paula Balli Cury, Belo Horizonte, MG, Brazil

Reading-study and project for the historical centre of Castel Madama (Rome, Italy) and its territory
Alessandro Franchetti Pardo, Università di Roma ‘La Sapienza’, Facoltà di Architettura ‘Valle Giulia’, Roma, Italy

ROOM A

12.30-1.30 p.m. - President: Gian Luigi Maffei

ISUF general meeting and conclusion

1.30 p.m. - Final lunch
Organising and Scientific Comittee

Giancarlo Cataldi  
*Dipartimento di Progettazione dell’Architettura, Firenze, Italy*

Gian Luigi Maffei  
*Dipartimento di Progettazione dell’Architettura, Firenze, Italy*

Alessandro Merlo  
*Dipartimento di Progettazione dell’Architettura, Firenze, Italy*

Keynote speakers

Michael Conzen  
*Committee on Geographical Studies, University of Chicago, Chicago, USA*

Michael Darin  
*École Nationale Superieure d’Architecture de Versailles, Versailles, France*

Pier Giorgio Gerosa  
*École Nationale Superieure d’Architecture de Strasbourg, Strasbourg, France*

Attilio Petruccioli  
*Facoltà di Architettura, Politecnico di Bari, Bari, Italy*

Session chairs

Staël de Alvarenga Pereira Costa  
*Escola de Arquitetura, Belo Horizonte, Brazil*

Michael Barke  
*Division of Geography, Northumbria University, Newcastle upon Tyne, England*

Nicola Marzot  
*Technische Universiteit Delft, Delft, The Netherlands*

Shigeru Sato  
*Waseda University, Tokyo, Japan*

Giuseppe Strappa  
*Facoltà di Architettura “Valle Giulia”, Università di Roma “La Sapienza”, Rome, Italy*

Jeremy Whitehand  
*Urban Morphology Research Group, University of Birmingham, Birmingham, England*

Organising staff

Ester Cavalcanti  
Tatiana Fedi  
Massimo Gasperini  
Camilla Giannetti  
Elisa Giovannelli  
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Mattia Maffei  
Maria Adalinda Migliorisi
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