



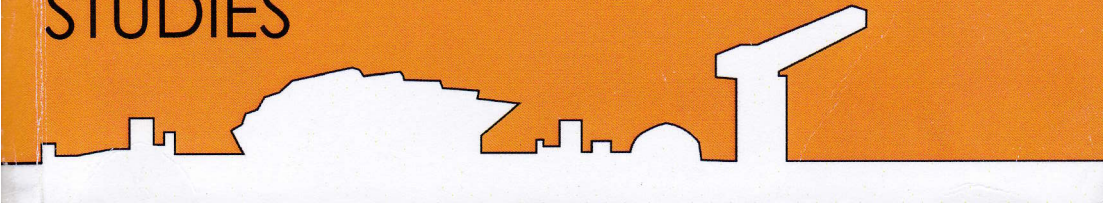
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**Human Experience in the Natural and Built Environment:
Implications for Research, Policy, and Practice**

2012 CONFERENCE ABSTRACTS

**INTERNATIONAL ASSOCIATION
PEOPLE-ENVIRONMENT
STUDIES**





The
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University of
Strathclyde
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22. IAPS CONFERENCE

**Human Experience in the Natural and Built Environment:
Implications for Research Policy & Practice**

Patron Karen Anderson, Architecture + Design Scotland

24 June- 29 June 2012

Strathclyde University

Glasgow, Scotland

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Human Experience in the Natural and Built Environment:
Implications for Research Policy & Practice

Patron Karen Andersson, Architecture + Design Scotland

Editors

Ombretta Romice

Edward Edgerton

Kevin Thwaites

ISBN: 978-0-94-764988-3

FOREWORD

Human Experience in the Natural and Built Environment: Research Policy and Practice

Today's rapidly changing world and its associated challenges means that it has never been more important to be responsible for practice and policy decision making to the societal benefit of environment-behaviour studies. This activity to reflect and respond to the complex present situations and for its outcomes to translate into areas for development. For over thirty years the IAPS community has developed autonomous research and critical thinking across human-environment relations. In consequence it has facilitated effective communication and exchange, bridging research and practice, societal and environmental impact.

The 22nd International IAPS conference is a collaboration between the University of Strathclyde (Dr Ombretta Romice), University of Edward Edgerton) and University of Sheffield (Dr Kevin Thwaites). It expresses an interdisciplinary framework of psychology, architecture as a foundation for knowledge exchange within the overall theme of human experience. Contributions were invited to focus on three main areas: *design and evaluation; and implementation and management*. In particular their implications in both developed and developing countries. We will trace and record development in research with practice and policy by facilitating exchange between research, development, management and design.

This Book of Abstracts expresses the richness of the conference themes have attracted, demonstrating the importance of developing greater understanding of the natural and built worlds and the application of the scientific programme reflect a wide range of research within the overarching conference themes including communication on issues of social and environmental responses to transportation, organisational management and economic development to energy conservation; human relations with wildlife and land and aquatic environments, and much more besides.

Collectively this presents a scientific programme of 21 symposia, 59 posters and 48 paper sessions. The conference organisers are especially pleased to have received papers, a new category of contribution specifically research, policy and practice across the range of topics. The aim, including a special meeting of the Urban Morphology will bring IAPS expertise together with members of the Glasgow to discuss the future regeneration of the city. The conference has been able to reflect its core research accessible to a real-world practice context. Other

FOREWORD

Human Experience in the Natural and Built Environment: implications for research, policy and practice

Today's rapidly changing world and its associated social and environmental challenges means that it has never been more important for research communities and those responsible for practice and policy decision making to be mutually well informed. Maximising the societal benefit of environment-behaviour studies more than ever requires research activity to reflect and respond to the complex problems and opportunities of real-world situations and for its outcomes to translate into areas of application and expertise in the field. For over thirty years the IAPS community has developed unprecedented resources from its autonomous research and critical thinking across a broad spectrum of areas relating to human-environment relations. In consequence it has unparalleled importance in facilitating effective communication and exchange, bridging research, practice and policy to optimise societal and environmental impact.

The 22nd International IAPS conference is a collaborative event jointly organised by the University of Strathclyde (Dr Ombretta Romice), University of the West of Scotland (Dr Edward Edgerton) and University of Sheffield (Dr Kevin Thwaites). This reflects and expresses an interdisciplinary framework of psychology, urban design and landscape architecture as a foundation for knowledge exchange between research, policy and practice within the overall theme of human experience in the natural and built environment. Contributions were invited to focus on three main areas: *geography and context; planning, design and evaluation; and implementation and management*. By this means, reflecting in particular their implications in both developed and developing world contexts, the conference will trace and record development in research within these areas and seeks to advance practice and policy by facilitating exchange between researchers and those engaged with development, management and design.

This Book of Abstracts expresses the richness, diversity and quality of work which the conference themes have attracted, demonstrating a global consensus of interest in the importance of developing greater understanding of the nature of human experience in the natural and built worlds and the application of that understanding. All sessions in the scientific programme reflect a wide range of research, knowledge exchange, and practice within the overarching conference themes including those relating to: the role of communication on issues of social and environmental development; sustainable approaches to transportation, organisational management and infrastructure; social and environmental responses to urban regeneration and economic development; environmental issues relevant to energy conservation; human relations with wildlife and natural habitats; social value from land and aquatic environments, and much more besides.

Collectively this presents a scientific programme of exceptional quality and breadth including 21 symposia, 59 posters and 48 paper sessions delivering over 340 paper presentations. The conference organisers are especially pleased to present, in addition, 15 case study papers, a new category of contribution specifically reflecting the conference aim to bridge research, policy and practice across the range of topics. Other events also contribute to this aim, including a special meeting of the Urban Morphology and Representation network which will bring IAPS expertise together with members of the local Barras and Calton community in Glasgow to discuss the future regeneration of the area. This is an excellent example of how the conference has been able to reflect its core themes by making research expertise accessible to a real-world practice context. Other special events of the conference will

include a Sustainability Science Group meeting and an initial discussion on a research project on the therapeutic role of construction projects in communities.

We would like to take this opportunity to thank everyone who has contributed to what we are confident will be a memorable and valuable conference, and in particular to thank and pay tribute to the contributions of our three distinguished keynote speakers, Professors Ian Bentley, Nabeel Hamdi and Gary Evans. Ian Bentley will cross scientific and design traditions to address the idea that we should apply ecological thinking to the design of human settlements in an attempt to better understand how to make human habitats that have benign ecological impacts. Nabeel Hamdi deals with the changing nature of practice in the context of some of the big issues impacting on people in the informal settlements of cities in the South, including: the changing scope and purpose of practice; the life and organisation of place; and the nature of professional interventions and the changing roles and relationships of practitioners to people and place. Gary Evans will focus on evidence revealing that poverty in childhood leads to physical and psychological difficulties throughout life, illustrating some of the negative impacts of childhood poverty and their relationship to psychosocial and physical risk factors low-income children must confront.

We are delighted to welcome all participants to this conference at the University of Strathclyde, Glasgow, UK and we hope that the content of this book will be useful during the conference and as a reference tool for research interests, bringing delegates with shared interests together.

Ombretta Romice, Edward Edgerton and Kevin Thwaites

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Dr Jenny Roe	Heriot - Watt Uni
Dr Ombretta Romice	University of Str
Dr Elena Sautkina	Queen Mary Univ

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O15.3 YOUNG PEOPLE' PERCEPTION OF THE DETERMINING FACTORS OF ENVIRONMENTAL QUALITY, CASE STUDY OF SURABAYA- INDONESIA

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The quality of the environment, including its social role, could be determined through representation and imageability of the environment (Marling 2008). Lynch's theory of the 'Image of the City' (1960) states that there is a strong correlation between the representability of urban elements through mental maps and the quality of an urban area. However, contemporary urban issues, such as urban agglomeration and high dependence on cars, especially in a Third World city, produce a significantly different understanding and reading of the city (Soja 2000). Young people in particular are a group of people who are very much exposed to urban traffic and mobility. They also largely experience very specific building typologies such as malls, pubs or cafés, and they have a high dependency on IT technology. Furthermore, they have different patterns in imagining the city in contrast to any official city identity and conventional landmarks and city structure.

Experiencing the urban space and identifying the urban artifacts is not only important for individual needs of human orientation but also, more generally, to define an urban/environmental identity of a city which is facing current issues of globalization. Some effects of globalization, including hyper mobility, global communication and neutralization of place and distance (Sassen 2001), are important factors to be considered here. The ability to distinguish space or place should be preserved, in order for buildings and cities being able to play an important role in the understanding of passing history (Holl, 2006).

This paper will present research that has been conducted in Surabaya, the second biggest city in Indonesia, with young people from a mid to high economic family background that have high dependency on private cars. Respondents were asked to imagine their city through drawing mental maps and were also interviewed in order to understand the reasons behind their choice of location and route in these maps. Purpose of the research is to examine the urban meaning for and perception of these young people and to identify the factors which are determining environmental quality for this particular social group.

O15.4 MAKING A BRIDGE OR A DOOR? THE CHANGING INTERFACE OF SHOPPING CENTRES AND SURROUNDING URBAN PUBLIC SPACE

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More recently, in many developed cities, there has been a shift away from the common inward-looking and enclosed shopping centre towards designs that lead to the emergence of new kinds of spaces, where the public space of the city and the private space of the shopping centre meet and overlap - what will be termed 'interface spaces' in this paper. Through the rapidly growing opening up trend of shopping centres, especially in the Sydney metropolitan area, what is revealed is the ambiguity of these interface spaces. Although shopping centres have been criticised for their negative consequences attributed to privatization of urban public space, interface spaces are undefined in what has been recognized as private and what has been known as public. Indeed,

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rather than negative development. ... space and emergence of interface spaces and the private realms - i.e. 'publicization' spaces. To clarify the concept of interface explores the theoretical analysis concerning the emergence of interface spaces in the 'bridge' and 'door' in order to connect interconnectivity of interface spaces and these new spaces can physically and exper

O16. RESPONDING TO ENVIRONMENT

O16.1 THE OPEN-SPACE NETWORKS IN MITIGATION

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China is a seismically active country. Over to the living environment by natural disaster nearly 800 quakes over 6.0 on the Richter losses. Disaster mitigation and prevention Sichuan earthquake.

The key issue of the disaster mitigation environment. As China's economy develops fabric of its cities is becoming more and distribution within residential areas is of structures are fireproof, the main danger falling debris. Both present crucial challenge

The layout of Chinese city is mostly divided area especially the new ones are more likely recognized as a safe evacuation route, it such as: the massive scale superblock superblock. Therefore when the earthquake superblock which act as a direct evacuation

This research focuses circulation spaces different types of residential areas in the observations of the outdoor spatial environment developing a computer program to evaluate disadvantages or advantages and earthquake circulation spaces. An open-space network indicates the connections between different with disadvantages and advantages for a network diagram and analysis results, as forward and compared.