



Det Kongelige Danske
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Urbanism & Urban qualities: New data & methodologies the 24th of June

Papertitle:

Name:

Department:

School:

Country:

Mini cv (max 500):

Abstract:

Speakers

Papertitle:

Name:

Department:

School:

Country:

Mini cv (max 500):

Abstract:

Keynotespeaker: *Kontorchef Simon Kjær, Københavns Kommune*

1) A conceptual framework for time-space visualisations in tracking studies: gaps and ways forward

Name, titel and affiliation

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M.Urb.

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Short Biography

Architecture & Design

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Abstract

A key feature of recent studies of human activity patterns that use tracking technologies such as GPS is the visualisation of temporal and spatial data. However, the choice of the type of visualisation is often primarily data-driven or technology-driven, rather than based on an idea of which images would serve which purposes, the role of imagery in applying knowledge derived from tracking studies, or of the relations between different types of visualisations.

In the context of urban geography, planning and design, the use of multiple media and a range of imagery plays an important role in the understanding of a location or region and in the communication of plans for physical or other interventions in that location or region. Often such mappings or other visual communications are framed through particular conceptual frameworks that express fundamental ideas about the relation between activity behaviour, functional organization of cities and the physical layout and transformation of cities.

This lecture connects these conceptual frameworks to the developing body of knowledge on visualisation in tracking studies and signals gaps in the current trends of data-visualisation. The lecture concludes by setting out a number of possible ways forward.

2) Elderly People and the City: An investigation with GPS methodology

Name, title and affiliation

Dr. Noam Shoval (noamshoval@huji.ac.il)
Senior Lecturer
Department of Geography
The Hebrew University of Jerusalem, Israel

Short Biography

Dr. Noam Shoval is a senior lecturer at the department of geography of the Hebrew University of Jerusalem. He completed his Ph.D. at HU (2000) under the supervision of the late Prof. Arie Shachar and conducted post-doctoral research with Prof. Chris Hamnett at the department of geography, King's College, University of London (2000-2001). During the last year (2007-2008) he was an Alexander von Humboldt Research fellow at the department of geography of the University of Heidelberg (Germany).

Abstract

In the context of ageing populations geographical outdoor mobility can be regarded as a major enabling factor for well-being and quality of life. However, we can often observe that elderly people tend to reduce their geographical mobility in terms of action range and frequency as a result of various constraints. The assessment of outdoor mobility usually relies on subjective reports that the participant or his family members. The "SenTra" project, an Israeli-German cooperation, measures the



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outdoor activities of elderly people by taking advantage of a combination of tracking technologies in an interdisciplinary project involving researchers from Geography, Social Work, Gerontology, Psychology, and Medicine. The focus is to assess activity patterns of urban living with various levels of cognitive status over a period of one month during three years. The explicit consideration of ethical aspects involved in the use of tracking technology is a substantial component throughout the project. Main objectives are to assess differences in daily outdoor activity patterns of participants with different levels of cognitive functioning, and to analyze how participant's activity patterns are related to their own well-being and that of their families.

3) Life in Urban space - GPS/GIS based analyses of human behavior – pitfalls and possibilities the Aalborg Case

Name, title and affiliation

Henrik Harder (hhar@aod.aau.dk)
associate professor
Department of Architecture and Design
Aalborg University, Denmark

Short Biography

Abstract

Taking a point of departure in a GPS based survey and registration of 243 (respondents) young people's behavior and activities in a 7 days period in spring and autumn 2008 in Aalborg pitfalls and possibilities using GPS surveys in an urban environment is described in this paper. The paper also focus on some of the results connected to the young people's actual use of urban spaces/areas and the results from an urban attractiveness survey where 145 (respondents) of the young people from the overall survey participated. The questions in the attractiveness survey are focused on what parameters, in young people's opinion, that makes an urban space attractive / unattractive.

<http://www.detmangfoldigebyrum.dk/uk.php>

4) Design for Responsive Communities

Name, title and affiliation

Christian Nold (christian@softhook.com)
artist, designer, and educator

Short Biography



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Abstract

A new diverse generation of individuals and communities with civic, political and ecological agendas are looking to get involved in reshaping their own local contexts. What is needed is a range of appropriate technologies for local and intra-local settings; new tools, methodologies and provocations that create, foster and challenge these emerging responsive communities. This presentation will show a range of the innovative tools and methodologies for participatory mapping that start from the sensory experience of the single body and then move to the communal and political. There will also be a discussion of the resulting projects and evaluation findings.

<http://sf.biomapping.net/>

5) "Playing with moving dots?!" Theoretical and methodological problems in developing tracking experiments

Name, title and affiliation

Rein Ahas (spm2008@ut.ee)
professor at SPMLab
University of Tartu and geographer at the Positium LBS.
Estonia

Short Biography

Dr. Rein Ahas (1966) is Professor of Human Geography of University of Tartu, Estonia. Main scientific interests include the climate change impacts, seasonality, natural resource use policy, urban geography and data management. Since 2001 has been active with developing mobile positioning and tracking methodology, especially information systems for monitoring tourism and space-time behavior. Dr. Ahas currently lectures and supervises students in human geography, planning, EIA and environmental management.

Abstract

Mobile positioning, along with other tracking tools as GPS, has become very popular topic. Extensive experiments are being carried out in this field and there is talk of the emergence of real-time geography. In reality, positioning data is just ordinary mobility data, which, due to its hardly quantitative character, is not very attractive for social sciences today. The fear of clandestine surveillance is an additional problem. What makes the data special is the widespread use of mobile phones, real-time monitoring capabilities, and phone-based survey opportunities. Since mobile positioning based experiments and surveys today have mainly been developed by GIS and IT specialists, they often remain on the "playing with moving dots" level, without addressing the deeper



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issues or end-user perspectives. There is need for the theoretical and methodological integration with human geographers and travel behaviour researchers.

<http://www.ut.ee/spm2008/index.php> and <http://www.geo.ut.ee/ahas/ahaseng.html>

6) Spacescape AB

Name, title and affiliation

Lars Marcussen (lars.marcus@arch.kth.se)

Sweden

Short Biography

Besides being the owner of the firm Spacescape AB Lars Marcus is also Associate Professor, Architect, Ph.D at the Kungliga Tekniska Högskola (KTH) Stockholm, Sweden, where he is attached Spatial Analys & Design (SAD). Lars Marcus is currently studying the relationship between the spatial conditions and the development of local economies. where analytical models of the city as a spatial system are addressed and where both theoretical and methodological advances have taken place.

Abstract

7) Büro für Städtereisen

Name, title and affiliation

Boris Sieverts
Germany
www.neueraume.de

Short Biography

Abstract

Boris Sieverts operates like a hikers' guide organizing walks in city outskirts, where he uncovers ignored urban space and urban life. He analyses the sensations brought about by these and tries to formulate the project underlying his excursions in this type of extremely complex territory: the project of "poetic densification" (Verdichten) of these territories by transforming the usual perception of them. A new way of looking at things arises by way of a selective itinerary through these "areas of wasteland", where spaces follow on from spaces, and where the wild aspect, in the sense of a phenomenon without projects, which nobody has appropriated, is invariably juxtaposed with the preconceived and the appropriated.



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8) Surveillance in Urban Spaces

Name, title and affiliation

Anders Albrechtslund (alb@hum.aau.dk)
assistant professor, Ph.D.
Department of Communication and Psychology
Aalborg University, Denmark

And

Peter Lauritsen
Ph.D.
Århus University, Denmark

Short Biography

Abstract

In later years, a number of changes have occurred with regards to surveillance in urban spaces, especially in the Danish context. In part, a number of mobile devices that facilitate surveillance have been introduced to the mainstream market and, in part, new legislation concerning Closed-circuit television (CCTV) have been introduced, which make possible increased use of cameras for private businesses. These changes are significant for those of us who live in the city, however, our knowledge about these changes is limited.

The research project "Surveillance in Urban Spaces" is focused on this issue. The purpose of the project is to study the changed urban space with regards to surveillance. The ambition of this project is to broaden that perspective. First, the study implicates all technologies, which is found in urban spaces whether we are driving cars, biking, walking, shopping, dining or having coffee at a café. This includes CCTV, mobile devices, GPS trackers, RFID tags, laptops and other technologies that surround us in an everyday urban life. Second, the focus is not only crime related effects, rather, the aim is to study the *meaning* and *significance* for the experience of urban spaces.

The research project "Surveillance in Urban Spaces" is based at Department of Communication and Psychology, Aalborg University, and funded by the Danish Research Council between 2008-2011.

Workshop I

9) Polyform Arkitekter



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Name, title and affiliation

Jonas Sangberg (info@polyformarkitekter.dk)
Polyform Arkitekter, Denmark

Short Biography

POLYFORM is a young architectfirm, which conducts tasks in planning, landscape, urban-building- and productdesign. At the moment Polyform and Karres en Brands are working on the renewal of Købmagergade, Hauser Plads and Kultorvet in the project: Fra Kultorvet til Mælkevejen (From Kultorvet to the Milky Way).

Abstract

The proposal is based on a simple concept, supporting both an intense and diverse city life and at the same time links the past with the present. This new design shows not only character and changeability but it also features a whole new way of looking at sustainable city spaces that contain openness to a wide range of uses for many years to come.

Through the use of simple elements of design and the use of natural stones in shades of black and white, the design team has created a unique course of streets like very few places on the planet. The city spaces slowly changes character from one space to the next, also with regards to functionality and history. The course of streets slowly changes character, from appearing all white and bright they change into black and dark once they become squares at Kultorvet and Trinitatis Kirkeplads.

Through special processing of the pavements the city spaces changes character with changing weather, which means that Købmagergade, Kultorvet and Hauser Plads always will have new sensory and emotional experiences to offer, no matter when you happen to be there.

10) Urban Qualities in the Experience City – Social and Cultural Exchanges by Design

Name, title and affiliation

Gitte Marling (marling@aod.aau.dk)
MA Arch., Professor Ph. D
Department of Architecture & Design,
Aalborg University, Denmark

Short Biography

Gitte Marling (born 1950) is MA Arch (1977) School of Architecture and PhD (1990) from Aalborg University, Department of Development and Planning, Denmark.

She has worked as a research fellow at The Aarhus School of Architecture and as a coordinator of sector planning at The Regional Planning Office, Aarhus County.



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In 1984 Gitte Marling was associate professor in technology and planning at Aalborg University, Department of Development and Planning and from 1990 associate professor in urban design and planning at the same department. In 2001 she became associate professor and in 2008 professor in urban design at Department of Architecture and Design, Aalborg University.

Gitte Marling has been leading several research projects, support by The Danish Research Council. Present research is in the field of cultural planning and city stages: the project, "The experience City – Hybrid Cultural Projects and Performative Urban Spaces" is supported by Fonden Realdania and is running until 2012.

Gitte Marling has been head of the Ministry Research Board, Ministry of Cities and Housing in 2002 – and she has participated in several ministerial expert groups, research network and international scientific assessment committees and boards.

Gitte Marling has been teaching at all levels and in a broad planning and urban design curriculum.

She has written a long list of articles and books and she had edited anthologies and research journals. Books and journals the last ten years are:

"Bymiljøindikator – bymiljøvurdering i danske boligbebyggelser", Gitte Marling og Mary-Ann Knudstrup Aalborg Universitet 1998.

Urban Welfare, Lifestyles, Architecture and Resource Consumption ". Gitte Marling (ed.) Aalborg University Press, Aalborg 1999.

Mapping the Modern City: Gitte Marling & Angsana Boonyobhas, ed.(2003) Department of Architecture and Design. Aalborg University & Faculty of Architecture, Chulalongkorn University. Bangkok.

Songlines / hverdagslivets drømmespor. Gitte Marling. Aalborg Universitetsforlag. 2003

Urban Lifescapes (ed.) Marling, Kiib, Jensen and Bech Danielsen. Aalborg University Press. Aalborg, 2004

Bangkok Songlines: Gitte Marling (2005). Department of Architecture & Design AAU

Big Global Cities – Mapping outside in and inside out. ed. Nordark #307. Department of Architecture and Design, Aalborg University.

FUN CITY: Gitte Marling & Martin Zerlang ed. (2007). Arkitektens Forlag. Copenhagen

Designing the Experience City: Gitte Marling ed. (2008). Nordic Journal of Architectural Research. 1. 2008. Thronheim.

www.exp-city.dk

Abstract

Lifestyle communities, gated communities, lifestyle clubs, lifestyle design ... everything seems to be



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related to lifestyle, even the way our cities are used. Urban everyday life becomes more and more social segregated in lifestyle hubs (Zygmunt Baumann). Even if we move around the city, using widely spread out areas our territories are related to the lifestyle communities we feel a belonging to. (Gitte Marling)

The paper discuss how this social segregated urban life can be developed to a more social inclusive urban life by design of new urban spaces or redesign of old ones or wasteland. It questions how urban spaces can be transformed to public domains (Martin Haajer & Arnold Reijndorph) and how lifestyle territories can be more mixed. Finally it discusses the role of cultural projects and event, as dynamos for such a transformation.

Cases about urban design and cultural projects will illustrate the challenges and the perspectives.

11) Silicon Valley as physical form and immaterial symbol.

Name, title and affiliation

Birgitte Bundesen Svarre (birgittes@gehlarchitects.dk)

PhD-candidate

Center for Public Space Research

The Royal Academy of Fine Arts, School of Architecture, Copenhagen, Denmark

Short Biography

Abstract

The name Silicon Valley is known worldwide as a name, as a brand of a high-tech region. But only few know the location of the region, and even fewer have stories to tell of the architecture of Silicon Valley. Despite the fact that the region does not exist as a geographic entity, several companies are part of a mental geography, so location becomes extremely important despite the absence of dominant physical or geographical structures – or maybe because of the lack of structures. This talk will present examples of urban suburban spaces of Silicon Valley and examine the relation between the physical build form and the symbolic layers.

12) Contemporary Public Space - Theory and Method

Name, title and affiliation

Shelley Smith (ssmi@aod.aau.dk)

Ph.d. architect MAA, BAID, research fellow

Center for Public Space Research, The Royal Danish Academy of Fine Arts, Copenhagen, Denmark

Short Biography



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Abstract

The goal of the project, Contemporary Public Space - Theory and Method, at The Center for Public Space Research, has as its goal to map the theoretical territory of contemporary public space with the intention of providing a basis from which to discuss the concept of public space in a contemporary architectural and urban context – specifically as it relates to theory and method, to broaden the discussion of the concept of public space to include examples that belong to contemporary urban form and life, and to identify theoretical and methodological positions that qualify and develop public space research at the centre.

13) Mapping as a method and persuasive product

Name, title and affiliation

Louise Nørgaard Glud (Ingl@aod.aau.dk)
Elite student at Persuasive Design
Aalborg University, Denmark

Short Biography

Abstract

In this project the focus is on maps, which connects people's behavior and attitudes to location and the aim is to explore the persuasive qualities of such maps and how we can implement them in persuasive technologies (motivating technologies). The methodological discussion in relation to this question is based on a survey done in Aalborg Zoo 2008. Here respondents were asked to wear a GPS and send us sms'es during their stay. This set-up made it possible for us to connect the text-messages to the location and create maps. The survey is a collaborative work between the group "Diverse Urban Space" and Aalborg Zoo.

14) Chen Yong, China

Name, title and affiliation

Chen Yong (ch_yong2002@yahoo.com.cn)
Architect Ph.D., Associate Professor
Tongji University
Shanghai, China

Short Biography

At the moment Chen Yong is a guest researcher at The Center for Public Space Research, Realdania Research, School of Architecture, The Royal Academy in Copenhagen. Chen Yong is currently working



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on a comparative study between Chinese and Danish notions of public urban space, and the organization and use of urban public space.

Abstract

Workshop II

15) Public Space as a catalyst for change

Name, title and affiliation

Helle Juul (ark@juulfrost.dk)
Architect MAA, Ph.D.
JUULFROST Architects, Denmark

Short Biography

Abstract

The project; Public Space as a Catalyst for Change covers how the public space as a strategy for development, transformation and change of cities can be approached as a catalyst for the development of 'the good city' – architecturally, socially and culturally. The project focuses on both theoretical studies and the practical usage of methods. We focus on public spaces as transformers for change regarding culture, lifestyle, gentrification, and as attractors for mixed use.

The project is financed by Realdania and placed at JUULFROST Architects, Copenhagen.

The background

The City life has changed. It has become more global, more multicultural and more orientated towards tourism. City people have developed new patterns of life with a more active use of the cities many offers and meeting places. City people place still higher demands to the qualities of the cities and the architectural disposition of thoroughfares, city spaces and buildings have great impact on the activities that a city can contain. The un-committing communities of experiences are used by the inhabitants as never before, and a multiplicity of non formal meeting places – that include everything from coffeehouses and restaurants to music venues and community centres – have seen the light of day. City life is characterised by flows and movements. You stroll through the city as a flaneur, you consume and become consumed by the city, enjoy experiences and create life. The city is characterised by streams, networks, relations, interactions and connections – all of which are in a state of flux in relationship to each other. New experiences and unsuspected situations emerge all the time. Earlier the fight for the city space concerned regaining of the city space from the cars and pushing the commercial interests forwards. Today the focus is on creating city spaces that enhance the dimension of experience. The city space should be mentally and socially stimulating to the users and should be able to contain the diversity of the city by creating spaces, where the cities different cultures can meet



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and interact. The global change focuses on a new type of culture, which position in the planning process has to be secured. We see the diversity and the other as a condition we cannot ignore. The lecture will further elaborate on this theme.

16) Cleansing of GPS-data from surveys in urban areas.

Name, title and affiliation

Peter Bro (pbro@aod.aau.dk)
Phd-student
Department of Architecture and Design
Aalborg University, Denmark

Short Biography

Abstract

The presentation deals with one of the most important tasks to overcome in GPS surveys namely data cleansing. In order to undertake valid analyses it is of uttermost importance to have reliable data sets which is especially hard to acquire when dealing with GPS surveys in urban environments, since the GPS is often inside buildings and not in motion. Currently the most widespread method for cleansing data is to manually identify correct loggings from incorrect loggings and the few algorithms that have been developed so far has primarily sought to identify trips in car traffic and their applicability is therefore limited to studies conducted in dense urban areas where several transportation modes are considered. The work that forms the base for this presentation seeks to fill this void for GPS studies in urban areas and seeks to develop a cleansing algorithm that utilises only data collected directly through the GPS loggings. Such an algorithm will dramatically reduce the workload for ensuring reliable data.

17) Simulating spatial behaviour

Name, title and affiliation

Hans Skov-Petersen (hsp@life.ku.dk)
Forest & Landscape Denmark
University of Copenhagen

And

Bernhard Snizek (bs@metascapes.org)



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Short Biography

Abstract: Empirical assessment of human behavior – by means of questionnaire surveys, automatic counters, GPS tracking etc. – provides information about the individuals or locations monitored. It provides a fraction of the picture of the entire populations' behavior. If the behavior of an entire system of populations is of interest - and every individual for natural reasons cannot be monitored – simulated individuals have to be applied. A major challenge is to reveal behavioral parameters from monitoring campaigns that enable construction of software robots (agents) which - in a cyber world - can behave as their real world counter parts.

Based on the agent-based model Kvintus (developed by Forest & Landscape Denmark), the presentation will focus on the way behavioral parameters can be revealed from monitoring activities and further applied to agent-based simulation. Emphasis will be put on constitution of behavioral states (types of behavior) and transitions (situations in which change between states takes place). States are typically defined by goals (places to go) and preferences/choices between spatial options (directions to take). Transitions occur at given times (time of day or relative to the 'journey' performed) or at events (sudden emerging situations or when thresholds are exhausted).

Read more: <http://www.sl.kvl.dk/OmSkovOgLandskab/Medarbejdere/hsp.aspx>

18) Qualitative methods for exploring peoples' use, understanding and preferences of urban spaces – how to apply in a context of urban regeneration.

Name, title and affiliation

Gertrud Jørgensen gej@life.ku.dk

Professor

Forest & Landscape Denmark

University of Copenhagen

and

Trine Agervig Carstensen tac@life.ku.dk

Assistant professor

Forest & Landscape Denmark

University of Copenhagen

Short Biography

Gertruds Jørgensens research is mainly focusing on urban development and regeneration; use and perception of the city, children in the city; urban policies and planning.

Abstract



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If we want to explore and understand the meaning of public spaces and peoples' motives for using spaces as they do, qualitative methods are called for. We present the results of research conducted by using interviews combined with walk- and photo-based methods in both dense urban areas and suburban settings, and we reflect on how the achieved knowledge is can be used in a context of urban regeneration and redevelopment. Which knowledge can be extracted from using such methods and which is required in processes of urban regeneration and development? Informants of the studies are mainly children and families, which are important, target groups for urban development initiatives

19) KLAR – Kontor for Landskab og Arkitektur

Name, title and affiliation

Henning Stüben and Dorte Børresen (kontor@klar-arkitekter.dk)
founders of KLAR

Teachers at the Royal Danish Academy of Fine Arts, School of Architecture, Copenhagen, Denmark

Short Biography

Abstract

Public space is always exposed to diverse and contentious expectations and identifications. Instability, negotiation and change are the conditions of urban space in the contemporary city. The design of public space needs to respond to these heterogeneous appropriations and facilitate them. From our point of view, this requires precisely articulated urban landscapes or fields that are open to varying programmatic encounters. We try to design what we call hybrid forums that allow transformation over time and negotiation between different groups and interests, within a specifically designed frame-work.

As a part of Copenhagen's ambition to strengthen the city center (the so called metropolitan zone), KLAR and JDS are currently redesigning the harbor-front along the Northern part of Kalvebod Brygge. Being one of Copenhagen's most central waterfront locations, the project will meet diverse and competing expectations and claims. Our proposal is a modern interpretation of the quay, an urban activity zone, designed as a dynamic new boardwalk with public events along and on the water. The project allows multiple interpretations of the public realm, with a scope of water-front attractions that try to embrace urban diversity and instability.

20) *Soft* travel modes in Copenhagen- Existing data, status, and potentials for the application of tracking technologies.

Name, title and affiliation

Thomas Sick Nielsen (sick@life.ku.dk)

Senior Researcher, Ph.D.

Forest & Landscape Denmark

University of Copenhagen, Denmark

Short Biography



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Abstract

Evidence on the use of bicycling and walking for travel in Copenhagen, and its development over time is presented. Available data consists of traffic counts on selected locations, in some cases allowing a representation of the development through decades; as well as the national travel surveys mode, purpose, as well as origin and destination of trips are registered. The potential for the application of tracking technologies to analyze bicycling, and develop plans and tools to promote CO₂-neutral travel is discussed.