Research output

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Location choices of face-to-face interactions in academic buildings: an experience sampling approach

A multi-agent assisted approach for spatial Group Decision Support Systems: a case study of disaster management practice

An investigation of the operation of corporate real estate decision-making

Analysing user preferences for co-working space characteristics

Perceived benefits of science park attributes among park tenants in the Netherlands

The influence of the physical work environment of business centres on social networking and knowledge sharing in the Netherlands

Towards a segmentation of science parks: A typology study on science parks in Europe

Is the much discussed agility of Corporate Real Estate visible in practice? An empirical study of the relationship between business metrics and surplus property

Adjustment of corporate real estate during a period of significant business change
Employees’ preferences for services and facilities offered in serviced offices

The influence of personal- and business centre characteristics on knowledge sharing types in business centres

Analysing knowledge sharing behaviour in business centres: a mixed multinomial logit model

Construction and validation of an index of walkability: a data-driven approach.

Tourists’ city trip activity program planning: a personalized stated choice experiment

Travel preferences of multimodal transport systems in emerging markets: the case of Beijing (under review)

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Linking firm characteristics, science park attributes and perceived benefits: empirical approach and results

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Multi-agent models of urban land development: theory and numerical simulation of retail location decisions

Multi-agents generating alternative plans in local land-use planning: specifying their reasoning and interaction

Multimodal public transport: an analysis of travel time elements and the interconnectivity ratio

Multistate supernetwork approach to modelling multi-activity, multimodal trip chains

Predicting multi-faceted activity-travel adjustment strategies in response to possible congestion pricing scenarios using an Internet-based stated adaptation experiment

Towards a generic multi-agent engine for the simulation of spatial behavioural processes: MASQUE/SwarmCity

Using Bayesian decision networks for knowledge representation under conditions of uncertainty in multi-agent land use simulation models
A multiagent model of negotiation processes between multiple actors in urban developments: a framework for and results of numerical experiments

A theory and simulation model of activity-travel rescheduling behavior

Assessing the effects of constrained and unconstrained policy scenarios on activity-travel patterns using a learning-based simulation system

Capturing interdependencies in tour mode and activity choice: a co-evolutionary logit modelling approach

Effects of task complexity and presentation format on the validity of stated choice responses for respondents with limited literacy skills

Estimating non-linear dynamics of continuous time in the context of an activity schedule model

Estimating non-linear utility functions of time use in the context of activity schedule adaptation model

Generating alternative plans in a planning support system using multi-agent technology

Learning and adaptation behaviour: empirical evidence and modelling issues

Measuring impacts of condition variables in rule-based models of space-time choice behavior : method and empirical illustration

Measuring the goodness-of-fit of decision tree-based models of discrete and continuous time activity-travel choice: methods and empirical illustration

Modeling agglomeration forces in urban dynamics : a multi-agent system approach

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Modeling learning and adaptation processes in activity-travel choice: a framework and numerical experiments
Modeling perception updating of travel times of departure time choice under ITS

Modelling agglomeration forces in urban dynamics: a multi-agent system approach

Modeling perception updating of travel times in the context of departure time choice under ITS

Models of learning and adaptation behaviour in urban transport settings

Predicting Multi-Faceted Activity-Travel Adjustment Strategies in Response to Possible Congestion Pricing Scenarios Using an Internet-Based Stated Adaptation Experiment

Reinduction of Albatross decision rules with pooled activity-travel data and an extended set of land use and cost-related condition states

Representing mental maps and cognitive learning in micro-simulation models of activity-travel choice dynamics

Transport stated choice responses: effects of task complexity, presentation format and literacy

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Variation of activity patterns with features of the spatial context

Activity pattern similarity : a multidimensional sequence alignment method

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Modeling the formation of activity agendas using reactive agents

Stationary and time-varying patterns in activity diary panel data: explorative analysis with association rules

The Impact of Irrelevant Attributes on the Accuracy of Classifier Systems in Generating Activity Schedules

The Spatial Transferability of the Albatross Model System: Empirical Evidence from Two Case Studies

Towards a Local Planning Support System: Introducing the Masque Framework

A Micro-simulation Model of Individuals Activity Travel Behaviour in Urban Environments

A micro-simulation model of individuals’ activitytravel behavior in urban environments.

A model for Generating Activity Skeletons in the Context of the Albatross System

A position-sensitive sequence-alignment method illustrated for space-time activity-diary data

Albatross: Model and Experience

Assessing urban context-induced change in individual activity travel patterns: case study of new railway station
Association rules in identification of spatial-temporal patterns in multiday activity diary data  

Coevolutionary approach to extracting and predicting linked sets of complex decision rules from activity diary data  

Combining Data Mining and Logit Techniques for Discrete Choice Modeling With Large Spatial Data Sets  

Creating Synthetic Populations: Approach and Results  

Data Needs and Sources for Albatross 1.0 Applications  

Deriving performance indicators from models of multipurpose shopping behaviour  

Deriving rules from activity diary data : a learning algorithm and results of computer experiments  

Generating Synthetic Populations  

Impact of urban setting on activity-travel patterns : comparison of performance indicators with quasi-experimental design data  

Inductive learning approach to evolutionary decision processes in activity-scheduling behavior : theory and numerical experiments  

Interactive Agency Choices in Land Use Transport Dynamics: The Case of the Residential Housing  

Inter-agent Interactions in the Amadeus Long Term Submodule  

Introducing Multi-Agents in an Integrated GIS/VR System for Supporting Urban Planning and Design Decisions  

Modeling effects of anticipated time pressure on execution of activity programs  

Modelling the Formation of Activity Agendas Using Reactive Agents  
Multidimensional sequence alignment methods for activity-travel pattern analysis: a comparison of dynamic programming and genetic algorithms

New activity diary format: design and limited empirical evidence

Pattern recognition in complex activity travel patterns: comparison of Euclidean distance, signal-processing theoretical, and multidimensional sequence alignment methods

Questionnaire Design and Findings

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Rule-based versus utility-maximizing models of activity-travel patterns: a comparison of empirical performance

Spatial Variability in Response Rates and Data Quality of a Designated Days Leave Behind-Full Activity Diary

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The long-term Effects of Multi-modal Transportation Networks: The residential Choice Behavior of Households

The Spatial Transferability of the Albatross Model System

Towards A Theory and Model of Activity-Travel Rescheduling Behavior
Understanding activity scheduling and rescheduling behaviour: theory and numerical illustration

Urban Form Network Type and Mode Choice for Frequently Conducted Activities: A multi-level analysis

A Decision Support System for Land-Use Selection Decisions Using a Combined AHP and KBS Approach

A knowledge-based system for developing retail location strategies

A spatial decision support system for retail plan generation and impact assessment

Activity Selection, Travel Party and Duration Decisions

Activity Start Time and Trip-Chaining Decisions

Activity Transport Mode and Location Choice

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ALBATROSS: a learning based transportation oriented simulation system

Albatross: multi-agent rule based model of activity pattern decisions

Analyzing Space-Time Behavior: New Approaches to Old Problems

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DANA (Dissimilarity Analysis of Activity Patterns): A Tool for Multidimensional Activity Pattern Comparison and Pattern Classification in Transportation Research

Data about the space-time environment

Data Needs, Data Collection and Data Quality Requirements of Activity-Based Transport Demand Models

Deriving decision rules from activity diaries

Determinants of attrition rates in two-wave, two-day household activity diary : probit analysis

Effects of respondent demand on response rates and quality of multi-day activity diaries

Identifying decision structures underlying activity patterns : an exploration of data mining algorithms

Modeling learning and evolutionary adaptation processes in activity settings : theory and numerical simulations

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Sequence Alignments Methods

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The Long-Term Effects of Multi-Modal Transportation: the Resident Choice Behavior of Households

Transport Mode Decisions Related to the Primary work Activity

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Using decision tree induction systems for modeling space-time behavior
Extending spatial DSS with spatial choice models of multipurpose shopping trip behaviour

Investigating consumers’ tendency to combine multiple shopping purposes and destinations

Location planner : a DSS for the location planning of retail adn service facilities

Using models of consumer spatial shopping behavior for developing retail networks

A generic spatial decision-support system for planning retail facilities

A multi-objective model for developing retail location strategies in a DSS environment

A Multipurpose Destination Choice Model For Shopping Trips: Some Empirical Results

Constructing and consulting fuzzy decision tables

Economische effecten van parkeermaatregelen : winkelcentrum- en vervoerswijzkeuze van consumenten in Noord-Brabant

Estimating A Rule-Based System Of Activity Scheduling: A Learning Algorithm And Results Of Computer Experiments

Measuring the Similarity of Activity Patterns

An efficient search strategy for site-selection decisions in an expert-system

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Integrating GIS into the Planning Process
Integrating GIS and spatial modeling: a generic DSS for retail planning

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The integration of expert knowledge in decision support systems for facility location planning

Geographical information systems and the measurement of accessibility in the context of multipurpose travel: a new approach

Multistop-based measurements of accessibility in a GIS environment

A model of multi-purpose shopping trip behavior

Geographical information systems and the evaluation of the location of facilities

Projects

SPARK Impuls (Science park facilities and the role of ecosystem formation)

Activities

Stakeholders-oriented spatial decision support system
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A sustainable industrial site redevelopment planning support system
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Efficient storage and retrieval of detailed building models: multi-disciplinary and long-term use of geometric and semantic construction information
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**The users' value of business center concepts for knowledge sharing and networking behavior within and between organizations**  
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**A tool to analyze urban development**  
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