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A comparative study of contact frequencies among social network members in five countries

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Best living concepts for elderly homeowners: combining a stated choice experiment with architectural design

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

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Employees’ preferences for services and facilities offered in serviced offices

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

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Reviews van het Duran-Elhorst model en de extrapolatie method van Inviro voor de schatting van waardevermindering van woningen door aardbevingsrisico: rapport in opdracht van de NAM

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

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Dynamics in social activity-travel patterns : analyzing the role of life events and path dependence in face-to-face and ICT-mediated social interactions
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The Value of Time for Shopping: Analyses of Consumer Segments and Gender Differences

Value of travel information: Theoretical framework and numerical examples

A learning-based transportation oriented simulation system

A micro-simulator of urban land use dynamics integrating a multi-agent model of land development and an activity-based model of transport demand

A spatial decision support system for provision and monitoring of urban green space

A theoretical framework for modeling activity-travel scheduling decisions in non-stationary environments under conditions of uncertainty and learning

Activity-travel scheduling and rescheduling decision processes : empirical estimation of Aurora model

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

Capturing the role of awareness and information search processes on Choice Set Formation in Models of Activity-Travel Behavior

Improving performance of multiagent rule-based model for activity pattern decisions with Bayesian networks
Modeling the dynamic use and impact of travel information on activity-travel: (re)scheduling decisions

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

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

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A multiagent model of negotiation processes between multiple actors in urban developments: a framework for and results of numerical experiments

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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

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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

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

Modeling learning and adaptation processes in activity-travel choice: a framework and numerical experiments

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

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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

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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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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

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Creating Synthetic Populations: Approach and Results

Data Needs and Sources for Albatross 1.0 Applications
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Generating Synthetic Populations

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

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Multidimensional sequence alignment methods for activity-travel pattern analysis: a comparison of dynamic programming and genetic algorithms

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Representing and Predicting Tourist Choice Behaviour: A Rule-Based vs. a Utility-Based Approach

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

The Amadeus Program: Scope and Conceptual Development

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
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Activity Selection, Travel Party and Duration Decisions

Activity Start Time and Trip-Chaining Decisions

Activity Transport Mode and Location Choice

ALBATROSS

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

Conceptual Framework

Conclusions and discussion

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

Modeling Short-Term Adjustment Processes of Individual Activity Schedules in Time and Space

Modelling Activity-Travel Patterns

Observed Activity Patterns

Relative Predictive Ability

Representing and Inducing Decision Rules

Representing and Predicting Tourist Choice Behaviour: A Rule-Based vs. a Utility-Based Approach

Rule-Based versus Utility-Maximizing Models of Activity-Travel Patterns

Sequence alignment method
Sequence Alignments Methods

SYLVIA

Synthesizing Populations Using Micro-Simulation

The Activity Dairy

The ALBATROSS System

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

Transport Mode Decisions Related to the Primary work Activity

Using ALBATROSS for Impact Analysis: Some Illustrations

Using decision tree induction systems for modeling space-time behavior

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An Analysis of Context and Constraints-Dependent Shopping Location Decisions Using Qualitative Decision Principles

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System for logical verification and inference of activity (SYLVIA) diaries

The development of ALBATROSS: some key issues

Training for underground environments

Using Models of Consumer Spatial Shopping Behavior for Developing Retail Networks

A Multipurpose Trip Model to Assess Retail Agglomeration Effects

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Economische Effecten van Parkeermaatregelen in Noord-Brabant. Nameting 1997 (Deelrapport)

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Experiences with developing ALBATROSS: a learning-based transportation oriented simulation system

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 and 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

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Constructing and consulting fuzzy decision tables

Economische effecten van parkeermaatregelen : winkelcentrum- en vervoerswijzekeuze 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

Design of a view-based DSS for location planning

Integrating GIS into the Planning Process

Integrating GIS and spatial modelling : a generic DSS for retail planning

The development of a knowledge-based decision support system for retail and service planning

The development of a knowledge-based spatial decision support system for retail and service planning
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)
1/07/16 → 31/12/19

Activities
Stakeholders-oriented spatial decision support system
Theo Arentze (Examiner)
17 May 2019

A sustainable industrial site redevelopment planning support system
Theo Arentze (Examiner)
2 Apr 2019

Efficient storage and retrieval of detailed building models: multi-disciplinary and long-term use of geometric and semantic construction information
Theo Arentze (Examiner)
2 Apr 2019

The users’ value of business center concepts for knowledge sharing and networking behavior within and between organizations
Theo Arentze (Examiner)
26 Mar 2019

A tool to analyze urban development
Theo Arentze (Speaker)
2019 → …

Computers, Environment and Urban Systems (Journal)
Theo A. Arentze (Editorial board member)
2019 → …
Expert review of models for estimating the decline of house property value in earthquake area for the NAM (Dutch national oil company)
Theo A. Arentze (Recipient)
2019 → …

Modelling individuals' mental models and goal setting behaviour in complex decision problems
Theo A. Arentze (Speaker)
2019 → …

Simulating Annual Long-Distance Travel Demand
Theo Arentze (Examiner)
2019

Social Networking (Journal)
Theo A. Arentze (Editorial board member)
2019 → …

Transportation (Journal)
Theo A. Arentze (Editorial board member)
2019 → …

Transportation Research Board (TRB) (External organisation)
Theo A. Arentze (Chair)
2019 → …

Transportation Research. Part D: Transport and Environment (Journal)
Theo A. Arentze (Peer reviewer)
2019 → …

Transportmetrica B: Transport Dynamics (Journal)
Theo A. Arentze (Editorial board member)
2019 → …

Travel Behaviour and Society (Journal)
Theo A. Arentze (Editorial board member)
2019 → …

Vereniging van Onroerend Goed Onderzoekers in Nederland (VOGON) (External organisation)
Theo A. Arentze (Chair)
2019 → …

Complexity (Journal)
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2018 → …

Journal of Corporate Real Estate (Journal)
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Journal of Computational Science (Journal)
Theo A. Arentze (Peer reviewer)
2017 → …

Environment and Behavior (Journal)
Theo A. Arentze (Peer reviewer)
2015 → …

Journal of Management Analytics (Journal)
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Transportation Letters (Journal)
Theo A. Arentze (Peer reviewer)
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The 3rd International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications (Event)
Theo A. Arentze (Peer reviewer)
2 Jun 2014 → 5 Jun 2014

Annals of the American Association of Geographers (Journal)
Theo A. Arentze (Peer reviewer)
2014 → …

Computers, Environment and Urban Systems (Journal)
Theo A. Arentze (Editorial board member)
2014 → …

Environment and Planning B: Planning and Design (Journal)
Theo A. Arentze (Peer reviewer)
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Theo A. Arentze (Peer reviewer)
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The Open Transportation Journal (Journal)
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Transport Reviews (Journal)
Theo A. Arentze (Peer reviewer)
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Transportation (Journal)
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Transportation Research. Part A: Policy and Practice (Journal)
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Theo A. Arentze (Peer reviewer)
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2014 → …

Travel Behaviour and Society (Journal)
Theo A. Arentze (Peer reviewer)
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Journal of Transportation Technologies (Journal)
Theo A. Arentze (Editorial board member)
2012 → …

Presentation at the Department of Civil Engineering, University of Pretoria, Pretoria, South Africa
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29 Nov 2000