

Visually-supported Computational Movement Analysis (VCMA 2016)

Workshop Programme, 14 June 2016

Helsinki, 14 June 2016

8:00-9:00	Registration
9:00-9:10	Opening
9:10-10:30	Session 1: Human Mobility & Transportation
	<i>Chair: Aidan Slingsby</i>
	<ul style="list-style-type: none">• G. Andrienko, N. Andrienko, C. Claramunt, G. Fuchs, C. Ray: Visual Analysis of Vessel Traffic Safety by Extracting Events and Orchestrating Interactive Filters• P. Bereuter, M. Fillekes, R. Weibel: Analyzing GPS and Accelerometer Data in the Study of the Mobility, Activity and Social Interaction of Older Adults• J. Borgdorff, W. van Hage, L.J. Dijkstra, E. Mancini, M.H. Lees: Simulation-supported urban movement analysis• C. Yang and G. Gidófalvi: Interactive Visual Exploration of Most Likely Movements
10:30-11:00	Coffee break
11:00-12:20	Session 2: Animal Movement & Trajectory Annotation
	<i>Chair: Robert Weibel</i>
	<ul style="list-style-type: none">• P. Gijssbers, F. Timmers, M. Konzack, M.A. Westenberg, K. Buchin: Visual Exploration of Migration Patterns in Gull Data (A Data Challenge contribution)• M. Buchin and S. Sijben: Model-Based Segmentation and Classification of Gull Trajectories (A Data Challenge contribution)• C. Meijer, S. Verhoeven, E. Ranguelova, C.J. Camphuysen, J. Shamoun-Baranes, W. Bouten: Visually supported annotation of bird tracking data and subsequent classification of behaviour using machine learning• V. S. Brum-Bastos, J. A. Long, U. Demšar: Dynamic trajectory annotation for integrating environmental and movement data
12:20-12:30	Identification of current questions in movement analysis / visualisation
12:30-14:00	Lunch break
14:00-15:30	Demonstrations of Tools and Methods
	<i>Chair: Urška Demšar</i>
	<ul style="list-style-type: none">• A. Slingsby: A tool for exploratory analysis of movement data (A Data Challenge contribution)• V. S. Brum-Bastos: Contextual analysis of movement data: Seagulls x British weather (A Data Challenge contribution)• M. Konzack: A visual analytics tool for exploratory analysis of migration patterns (A Data Challenge contribution)• A. Hall: Intensity-based classification in animations (A Data Challenge contribution)• C. Yang: Interactive visual exploration of moving patterns and most likely movements (GPS taxi data from Wuhan, China)
	Group discussion of identified questions
15:30-16:00	Coffee break
16:00-16:30	Group discussion
16:30-17:15	Group reporting & Closing Session