

About

Dr David Jaroszweski researches the potential impacts of climate change on transportation systems.

This research adopts a multidisciplinary approach and includes assessing the current relationships between weather and transport failure, the potential impact of climate change and the effect that concurrent socio-economic change may have on the future resilience of transport networks.

David works on the MOWE-IT (<http://www.mowe-it.eu/>) and LivingRail (<http://www.livingrail.eu/>) projects.



Publications

Jaroszweski, D., Hooper, E., Baker, C., Quinn, A., Chapman, L. (2014) A journey resilience approach to climate change impact assessment for transport (in preparation)

Jaroszweski, D., Baker, C., Fisher, R. (2014) Modelling the influence of weather on travel behaviour using automatic fare collection data from the London Underground (in preparation)

Jaroszweski, D., Dijkstra, T., Crosby, C., Dixon, N. (2014) Weather event sequences for capacity resilience modelling of infrastructure corridors (in preparation)

Jaroszweski, D., Hooper, E., Baker, C., Chapman, L., Quinn, A. (2014) The impacts of the 28th June 2012 storms on UK road and rail transport. Meteorological Applications (under review)

Jaroszweski, D., Hooper, E., Chapman, L. (2014) The impact of climate change on urban transport resilience in a changing world. Progress in Physical Geography (accepted for publication)

Jaroszweski, D., McNamara, T. (2014) The influence of rainfall on road accidents in urban areas: a weather radar approach. Travel Behaviour and Society. 1 (1), 15-21

Jaroszweski, D. (2013) Climate change and road freight safety: a multidisciplinary exploration. Climatic Change. 120 (4), 785-799

Jaroszweski, D. (2012) The impacts of climate change on the national freight sector. In Ryley, T. And Chapman, L. (2012) (eds.) Transport and Sustainability. Emerald Publishing

Jaroszweski, D., Chapman, L., Petts, J. (2010) Assessing the impact of climate change on transportation: the need for an interdisciplinary approach. Journal of Transport Geography, 18, 331-335

Selected conference presentations:

Jaroszweski, D. (2014) What can integrated climate change impact assessment tell us about cost-effective adaptation and adaptive capacity? FUTURENET models and results. Presented at the Transport Research Board of America Annual Meeting, Washington DC, 12th January

Jaroszweski, D., Baker, C., Chapman, L., Quinn, A. (2013) The impact of climate change on transport: current progress and future requirements. Presented at Impacts World 2013, Potsdam, 29th May

Jaroszweski, D., Baker, C., Quinn, A., Hooper, E. (2012) The assessment of current and future impacts of weather and climate on transport. Presented at Advances in Spatiotemporal Transport Analysis, Hong Kong, 12th December

Jaroszweski, D. (2012) The assessment of current and future impacts of weather and climate on transport. Presented at UK Infrastructure Transitions Research Consortium Early Career Researcher Conference, Cambridge, 27th November

Jaroszweski, D. (2012) Future Resilient Transport Networks. Presented at Adaptation and Resilience to Climate Change Conference, Birmingham, 19th September

Jaroszweski, D. (2010) Assessing the potential impact of climate change on transportation: the need for an interdisciplinary approach. Presented at the Association of American Geographers Annual Conference, Washington DC, 18th April

Jaroszweski, D. (2008) Stakeholder involvement in future forecasting for the assessment of climate change impacts on the UK's road freight sector. Presented at the Association of American Geographers Annual Conference, Boston, USA, 19th April

Jaroszweski, D. (2007) The complexities of assessing the impacts of climate change on transport. Presented at the Royal Geographical Society Conference, London, 31st August