

Dr David Jaroszweski PhD

Research Fellow

[School of Civil Engineering \(/schools/civil-engineering/index.aspx\)](/schools/civil-engineering/index.aspx)

Contact details

Email d.j.jaroszweski@bham.ac.uk (<mailto:d.j.jaroszweski@bham.ac.uk>)

Birmingham Centre for Railway Research and Education
Gisbert Kapp Building
University of Birmingham
Edgbaston
Birmingham
B15 2TT
UK



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 (www.mowe-it.eu/ (<http://www.mowe-it.eu/>)) and LivingRail (www.livingrail.eu/ (<http://www.livingrail.eu/>)) projects.

Qualifications

- 2006-2010 PhD Geography (University of Birmingham)
- 2004-2005 MSc Applied Meteorology and Climatology (University of Birmingham)
- 2001-2004 BSc Environmental Science (University of Birmingham)

Postgraduate supervision

David supervises fourth year MEng Civil Engineering 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.**, 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 Associated 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

