

2022 CSIG-VIS International Lecture Series 10

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<https://live.bilibili.com/24003948>



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Immersive Analytics in a Connected World

We reflect on research from the Monash University Data Visualisation and Immersive Analytics lab since 2005, and with our colleagues elsewhere, which spans network visualisation, human-in-the-loop optimisation and immersive analytics. Network visualisation has the potential to help people to better understand the highly-connected and complex world in which they live. As researchers our group are both users of optimisation technologies, to create visualisations that are in some sense optimal, and also contributors to those technologies, seeking to create human-centred optimisation tools for many applications. This leads into a discussion of our more recent work in the area of Immersive Analytics, which aims to bring data out of computer centres and into the world around us.

Professor Tim Dwyer is a co-editor of "Immersive Analytics", which was published by Springer in 2018 and has had over 16,500 downloads to date. He received his PhD on "Two and a Half Dimensional Visualisation of Relational Networks" from the University of Sydney in 2005. He was a post-doctoral Research Fellow at Monash University from 2005 to 2008, Tim was also a Visiting Researcher at Microsoft Research USA until 2009. From 2009 to 2012, Tim was a Senior Software Development Engineer with the Visual Studio product group at Microsoft in the USA. Then, he returned to Monash as a Larkins Fellow where he now directs the Data Visualisation and Immersive Analytics Lab.

