

Prof. Dr. Bernd Resch

[IARIA Fellow]



Bernd Resch is a **Visiting Professor** at University of Osnabrück (Germany), a Research Affiliate at the MIT SENSEable City Lab (USA) and a Lecturer at University of Salzburg (Austria). His research interests revolve around geo-sensor webs, People as Sensors, real-time analysis of urban dynamics, Sensor Fusion, interoperability in geo-sensor networks, web-based data analysis and geo-visualisation techniques.

In his dissertation and accompanying research, Dr. Resch elaborated the **Live Geography** concept, which enables the development of real-time monitoring systems. The Live Geography concept has been applied in a variety of real-world use cases ranging from public safety, environmental monitoring, radiation safety, public health or nature conservation. Bernd Resch's particular contribution is in the field of monitoring urban environments in real time. The service-based Live Geography infrastructure development together with the concept of "People as Sensors" opens up new ways of analysing and influencing urban environments in real time. The integrative combination of these monitoring systems, methods for exploring urban dynamics, and inducing behavioural changes into the city can be subsumed under the term "*Live Cities*".

Over the past years, Bernd Resch won numerous major research proposals on European and national levels, including GENESIS (<http://www.genesis-fp7.eu>), Real-time Geo-awareness, and G2real (<http://www.g2real.eu>). Significant project outcomes have been presented at IARIA conferences and published in different IARIA journals. Amongst a variety of other functions, Bernd Resch is an Editorial Board Member of the International Journal on Advances in Software, Co-organiser of the Young Researchers' Forum GIScience, and a member of the Development Team of the Bachelor/Master Programme of the Salzburg University of Applied Sciences.

Right from the conference's beginnings, Bernd Resch has been a member of the **Scientific Committee and the Advisory Board** of the "International Conference on Advanced Geographic Information Systems, Applications, and Services (GEOProcessing)". He is a strong promoter of the conference, an active contributor to the scientific programme design and to the conference operations by leading panel discussions etc. Since April 2012 he is an IARIA Fellow.