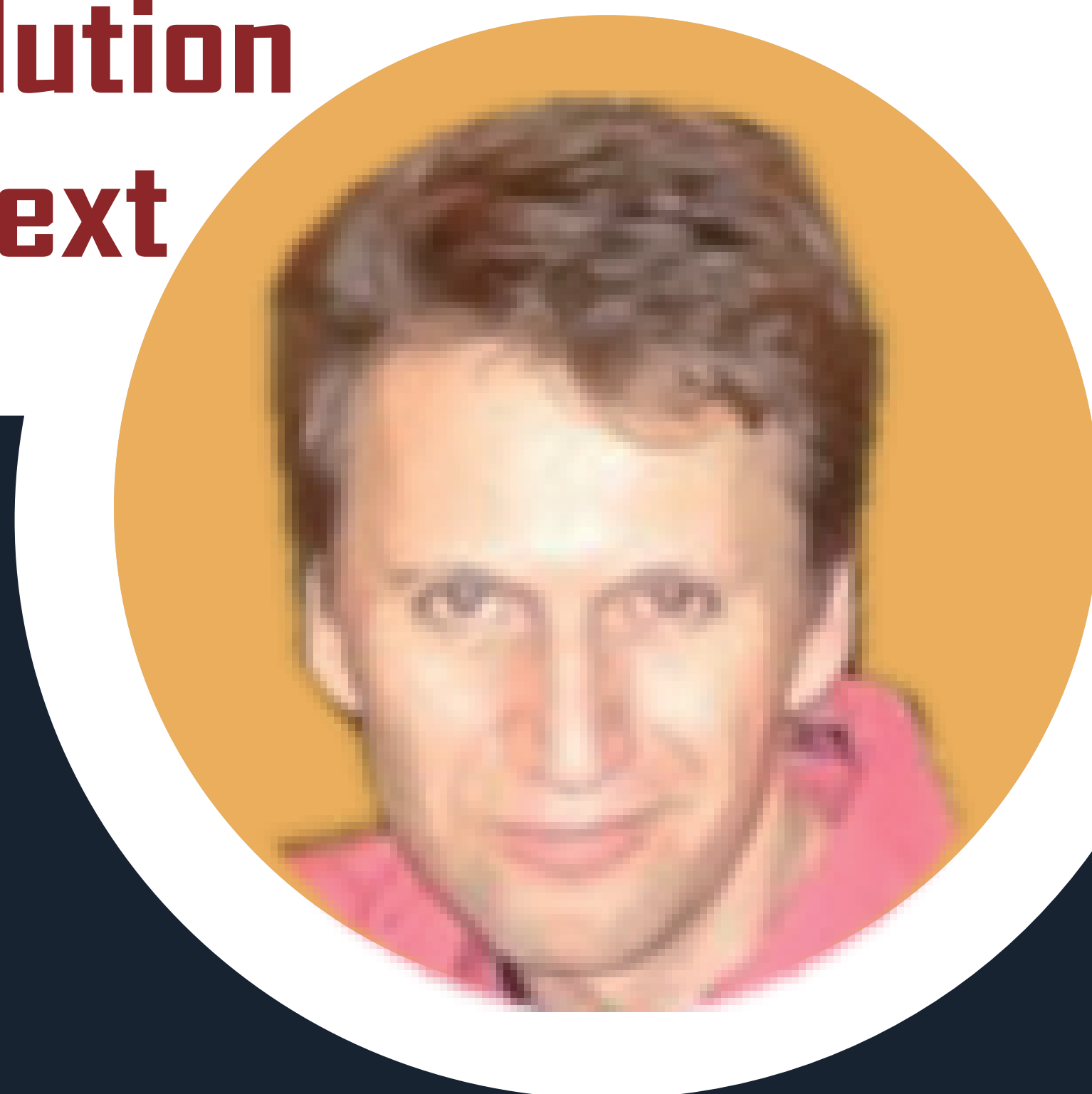


An Interactive Visual Analytics Framework for Multi-Field Climate and Pollution Data in a Geo-Spatial Context



2018/03/23 3:00pm 星期五
地点：理科二号楼2111

Climate and pollution research produces a wealth of multi-variate data. These data often have a geospatial reference and so it is of interest to show them within their geospatial context. One can consider this configuration as a multi-field visualization problem, where the geo-space provides the expanse of the field.. In this talk I will present the results of several research projects I have been involved with in recent years: (1) a dual-domain interface that links a geospatial data display, such as an enhanced Google Earth, with a multivariate information display, and (2) a framework that can colorize geo-spatial maps and images based on multivariate data. Time permitting, I will also sketch a computational framework that uses the Lattice-Boltzmann Method for simulating gaseous phenomena, such as pollution in large urban environments.

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