Automated Analysis of Traffic Simulation

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Call for Abstracts

Research Funding

A message from Dr. David Norton, Vice President for Research

Big Data Workshop on June 19

Advances in information technology are creating remarkable opportunities. Future research in a host of fields will depend on the ability to generate, manage and analyze large and complex data sets. Those who leverage this capability will lead not only in the high tech business of computation and communication, but in health care, engineering design, social science, scientific discovery, and a multitude of other fields.
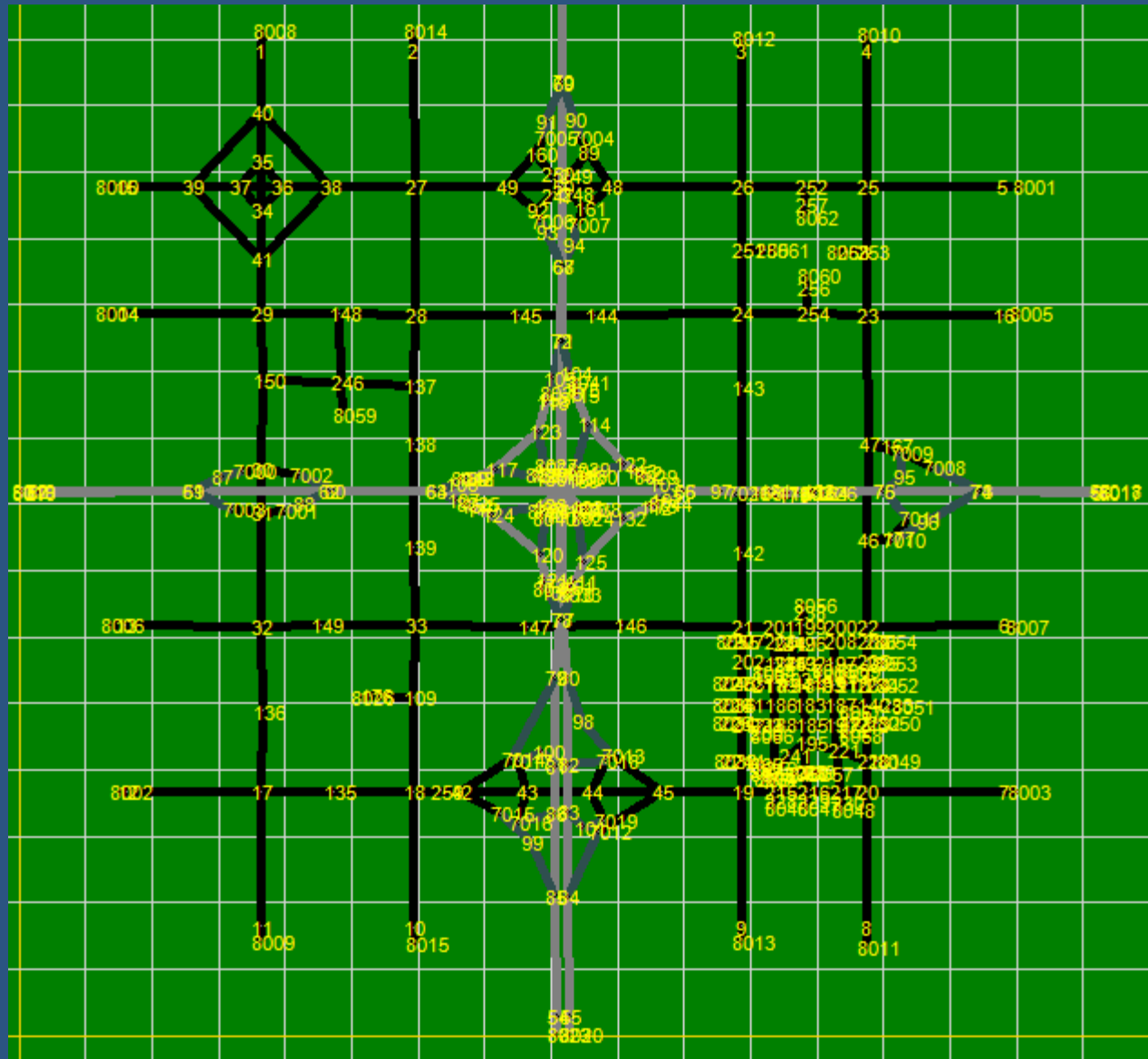
Read more...

Big Data (Transportation)

http://www.uhasselt.be/datasim

- Massive shift to electric vehicles (Belgium)
- Big Data from GPS, cellphones, social media
  - Forecast the nation-wide consequences

"Large Data"

Thousands of inputs

Thousands of outputs

Large Data Projects

- Automated "self-calibration" (ongoing)
- Automated output analysis (future)
- Transportation potential (self-calibration)
  - Models for emissions, noise, roundabouts, other…
- Cross-disciplinary potential (self-calibration)
  - Large number of input parameters
  - Large number of output parameters
  - Uncertain computer run times
  - Patent protection?

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