Third Eurographics Workshop on Urban Data Modelling and Visualisation

On 23 November 2015, the 3rd Eurographics Workshop on Urban Data Modelling and Visualisation (UDMV 2015) will be held in the city of Delft, The Netherlands. The objective of the workshop is to discuss the modelling and visualisation of the city at various temporal and spatial scales. The event is aimed at sharing associated techniques, methods, uses and points of view.

Managing and understanding urban data is a major issue as there are several different kinds of data at different scales. Urban data not only covers the geometry of the city model, but also data related to human activities (e.g. social data, transportation, mobility, history), to physical phenomena (e.g. light, wind, heat), and to the environment (e.g. geography, climate). Thus, the processing of urban data is a huge challenge for current computing capabilities, especially considering all the sustainable development parameters related to architectural design, urban planning and urban climate studies but also in view of the specific needs of entertainment, cultural heritage or any domains using urban data.

After being organised in Spain in 2013 and in France in 2014 as a co-located event of the Eurographics conference, this third workshop will be held in The Netherlands this autumn as a stand-alone event. It is being organised at TU Delft on 23 November 2015 by the 3D Geoinformation group. The involvement of the computer graphics and the geoinformatics communities is once again expected to produce fruitful exchanges.

Contributions addressing the following topics are welcome:

• Modelling the static and dynamic features of the city (spatio-temporal data)
• Multi-scale geometric data (from building scale to urban scale)
• Multi-scale temporal data (from real time to history time)
• Visualisation of several urban data layers (aggregated indicators)
• Visual analytics using urban data (decision-making processes and CAD)

Important dates

3 July 2015: Paper submission
28 August 2015: Author notification
9 October 2015: Camera-ready paper
23 November 2015: Workshop

Publication

Expected contributions are research papers, 6 pages in EG publication format, presenting unpublished methods, algorithms and techniques with established results. All accepted papers will be presented orally at the conference by one of the authors, and will be published in the EG Digital Library.

Chairs

Filip Biljecki (3D geoinformation group - TU Delft - Netherlands) — Workshop chair
Vincent Tourre (CRENAU - Ecole Centrale de Nantes - France) — Programme chair

Visit the UDMV 2015 website here.