Welcome to June Newsletter

June has been a vibrant and productive month for the 3D team. We are delighted that the City of Melbourne has joined our team and we look forward to working together closely through a student placement program. Their input will no doubt be invaluable to this project. In addition, the Centre for SDIs and Land Administration will conduct a workshop on Land Research mainly on part of its NIMLI ARC project. The 3D Land and Property project will also be presented at this workshop to update our industry partners and also to showcase the relevance between two projects. This will be another opportunity to showcase our research so far and to create a platform for your input and suggestions for our current research activities.

In addition, the 3D website is ready to be published during the Land Research workshop in July. Throughout the last month, I have continued looking at the Building Information Model (BIM) capabilities in the context of this research. The workshop will involve presentations from our research team, including an overview of the achievements so far and a discussion of the issues and challenges that lie ahead. As part of this workshop, 3D project will be presented.

City of Melbourne joins Land and Property in 3D

The City of Melbourne has agreed to collaborate with the project by offering student placements to PhD students of the project.

Davood Shojaei and Serene Ho will spend 6 months with the City of Melbourne investigating the current and future roles of 3D land and property information in CoM’s data management processes and workflows. The students will be collaborating with the Research and Spatial information divisions of the CoM.

Land Research Workshop: 16th July, 2012

We would like to invite you to join our Land Record workshop, to be held on the 16th July at the university. The workshop will be designed to facilitate a vibrant and lively discussion mainly on our National Land Infrastructure (NIMLI) research to help us align our research activities with the needs of industry and to the project objectives. The workshop will involve presentations from our research team, including an overview of the achievements so far and a discussion of the issues and challenges that lie ahead. As part of this workshop, 3D project will be presented.

Project Partners

Abbas Rajabifard (Chief Investigator & Project Coordinator)

Mohsen Kalantari

City of Melbourne joins Land and Property in 3D

The City of Melbourne has agreed to collaborate with the project by offering student placements to PhD students of the project.

Davood Shojaei

3D Cadastral Data Visualisation

In the last couple of weeks, I was working on a 3D web-based visualization system. It is still under development. The first version of this phase will be released soon. This prototype system is able to represent 3D spatial data (buildings) from the city view to a building view. Based on the design phase, this system is also accessible from an iPad to showcase the inner complexity of buildings for 3D cadastral and also various applications.

In addition, the 3D website is ready to be published during the Land Research workshop in July.

Davood Shojaei

CityGML vs LandXML

I have been undertaking an investigation to compare CityGML and LandXML in the context of this research. The scope of the investigation includes a breakdown of each of the formats and detailed comparison of their components and applications, I look forward to presenting my results as part of the workshop next month. I am also continuing my research into the development of a 3D Cadastral Data Model.

Sam Amirebrahimi

Building Information Modelling

Throughout the last month, I have continued looking at the Building Information Model (BIM) capabilities in the cadastral domain. The aim of this phase of the work is to identify those technologies for exchange of data between stakeholders and systems in Architecture, Engineering, Construction (AEC) domain as well as Geographic Information Systems (GIS) and Surveying domains.

These technologies will then be investigated to understand the relationships between their components and existing technologies used for the management of land and property information.

Serene Ho

PhD Confirmation Seminar

I will be giving my confirmation presentation on 4 July. I’ve submitted an abstract for consideration to the Third International FIG Workshop on 3D cadastres titled “More Than Just Laws: Broadening the Institutional Horizons of 3D Cadastres”. I’ll be presenting as well at the upcoming workshop in July.