



**Federal University of Bahia – UFBA**  
**Polytechnic School**  
**Engineering Transport and Geodesy Department**

**Report of my experiences at the ISPRS Commission IV Symposium – Delft (2018)**

My name is **Elaine Gomes Vieira de Jesus**, I graduated in Geography, and I have a Masters degree in Urban Environmental Engineering. I am currently a Doctorate student, and I perform studies in the City Information Modeling (CIM) area. In this report, I intend to narrate my wonderful experience taking part in the ISPRS Symposium.

This trip was a watershed in my Professional career as a Teacher and a Researcher in the tridimensional urban modeling area. I had the opportunity to assist in papers related to my Doctorate study which is called **CityGML software interoperability proposal for urban modeling in 3DGIS**. It is related to the Urbanism and Post Graduation Program – PPGAU (UFBA), located in Salvador-Bahia/Brazil.

Among the current research themes and future tendencies I could notice the focus on the new Technologies that are being studied and developed for the construction of 3D city models based on the CityGML and Smart City patterns. They are focused on energetic efficiency and urban mobility, as well as the use of Open Space data and Collaborative mapping.

The fact that the event occurred in the Delft University of Technology was something of great interest to me, since it is one of the best known universities in the Cartography and Geodesy area, which is the one I work in as a Teacher.

In the ISPRS symposium, I presented an article called **Modeling cities for 3dGIS purposes**, (as shown in the pictures), which was my first oral presentation in English in an international event, and that was very rewarding to me. Comments and suggestions were given in the moment of discussion that will be very useful for my Research continuity. I have also exchanged contacts and experiences with researchers from many parts of the world such as Singapore, Holland, Germany, Japan and the United States.

To me, these moments were very relevant because they allow the researcher to have access to what is being studied in the world in their field work. I even participate

in a project in partnership (Brazil and Germany) as a Doctorate Student with the City Information Modeling (CIM) theme, under my Advisor's coordination, the Professor Arivaldo Leão de Amorim. This project also aims to internationalize UFBA through Doctorate and Post-doctorate students that are going to get a one year scholarship in Germany, researching on the CIM. I'm scheduled to attend to the Karlsruhe Institute of Technology (KIT) in 2020.

Regarding the event, I think the choice of performing integrated events such as this one with the ISPRS Symposium, 3DGeoInfo, 3DCadastres and the Urban Data management society brings many advantages because it allows that a greater number of researchers to exchange experiences, which benefits all.

For all these reasons I thank you once more for the opportunity of having received the Travel Grants support seeing that, without it, my participation in the event would not be possible due to the lack of investment that the universities in Brazil are currently going through.

