

George Floros

Date of Birth: 13/09/1991
Nationality: Hellenic
Contact Info: flwros@gmail.com, +44 7542372738
Website: www.georgeflorosrse.com
Profile: [LinkedIn](#), [ResearchGate](#), [GitHub](#)

EDUCATION

- 09/2017 – 09/2018* University College London (UCL)
Master of Science (MSc.) in Geographical Information Science (GIS)
 - Specialization: Spatial Databases & Data Integration (CAD-IFC-GIS)
 - Dissertation: Developing IFC for Infrastructure
- 09/2016 – 09/2017* National Technical University of Athens (NTUA)
Master of Science (MSc.) in Environment & Development (GPA: 9.60/10.00)
 - Specialization: 3D GIS-CityGML, BIM-IFC
 - Master Thesis: Investigating communication capabilities between IFC & CityGML for 3D City Modelling
- 09/2009 – 09/2015* National Technical University of Athens (NTUA)
Master of Engineering (MEng.) in Rural & Surveying Engineering
 - Specialization: Department of Geography and Urban Planning
 - Diploma Thesis: Capabilities of 3D Modeling for 3D Cadastre via CityGML Standard

WORK EXPERIENCE

- 01/2019 – Present* GIS Data Specialist at STRABAG AG-UK Branch
 - Project:
 - HighSpeed 2 – Skanska-Costain-STRABAG Joint Venture (JV)
 - Responsibilities:
 - Implementing an Enterprise 3D GIS/IFC Environment
 - BIM/GIS/CAD Data Integration
 - Spatial Databases & Data Management
- 08/2018 – 12/2018* GIS Technician at STRABAG AG-UK Branch
 - Project:
 - HighSpeed 2 – Skanska-Costain-STRABAG Joint Venture (JV)
 - Responsibilities:
 - Managing JV's GIS Databases & Enterprise Maps/Apps
 - GIS Databases reconciliation
 - Automating workflows & Improving communication between GIS/BIM/BI
- 09/2015 – 05/2016* Junior Rural & Surveying Engineer at [Geoter S.A](#) – Technical Company for Public Works
 - Projects:
 - Construction of pavement zones in Central Athens
 - Construction of an undersea pipe in Samos Island
 - Construction of port & flood control works in Aegina Island
 - Responsibilities:
 - Land and Building Surveying using traditional surveying techniques (Total Stations) and GPS

- Supervision & Management of constructing pavements in Municipality of Athens
- Implementing GI Systems for spatial analysis, site location, image processing and map production

TECHNICAL SKILLS

- Software:
 - ArcGIS Suite (Server, Online, Model Builder, Arcpy) (Advanced)
 - Autodesk Civil/Map/Revit (Advanced)
 - FME Desktop & Server (Advanced)
 - QGIS (Advanced)
 - Trimble SketchUp (Advanced)
 - ArcGIS Pro (Intermediate)
 - Cyclone – Point Cloud Processing (Intermediate)
 - ESRI CityEngine (Basic)
- Coding:
 - PostgreSQL & PostGIS Extension (Intermediate)
 - Python (Intermediate)
 - Microsoft SQL Server (Intermediate)
 - Web-Services: HTML, CSS, JavaScript, NodeJS (Basic)
 - R (Basic)

ACADEMIC PUBLICATIONS

- Floros, G., Ellul, C. and Dimopoulou E. (2018). Investigating interoperability capabilities between IFC and CityGML LoD 4 – Retaining semantic information. 13th 3D GeoInfo Conference, 1–2 October 2018, Delft, The Netherlands. In *ISPRS Archives Volume XLII-4/W10, (2018)*
- Floros, G., Pispidikis, I. and Dimopoulou E. (2017). Investigating communication capabilities between IFC & CityGML for 3D City Modelling. 12th Joint International 3D GeoInfo Conference, Oct. 2017, Melbourne, Australia. In *ISPRS Archives Volume XLII-4/W7, 1-6 (2017)*
- Floros, G. and Dimopoulou, E. (2016). Investigating the enrichment of a 3D city model with various CityGML modules. 11th Joint International 3D GeoInfo Conference, Oct. 2016, Athens, Greece. In *ISPRS Archives Volume Xlii-2/W2 (2016)*
- Floros, G., Solou, D., Pispidikis, I. and Dimopoulou E. (2016). A Roadmap for Generating Semantically Enriched CityGML Models via two Different Methodologies. 11th Joint International 3D GeoInfo Conference, Oct. 2016, Athens, Greece. In *ISPRS Archives Volume XLII-2/W2 (2016)*
- Floros, G., Tsiliakou, E., Kitsakis, D., Pispidikis, I. and Dimopoulou, E. (2015). Investigating Semantic Functionality of 3D Geometry for Land Administration. 10th Joint International 3D GeoInfo Conference, Oct. 2015, Kuala Lumpur, Malaysia. In *Springer Book LNGC (2015)*
- Dimopoulou, E., Tsiliakou, E., Kosti, V., Floros, G. and Labropoulos, T. (2014). Investigating Integration Possibilities between 3D Modeling Techniques. In *Proceedings of 9th International 3D GeoInfo Conference, Nov. 2014, Dubai. United Arab Emirates*

FIELDS OF INTEREST

Data Integration, Data Management & Spatial Databases, Data Analysis & Web-Visualization, 3D City Modelling, IFC & BIM, 3D GIS & CityGML, IFC & GIS for Infrastructure, GIS & Smart Cities

FOREIGN LANGUAGES

- English (Proficiency), German (Zertifikat)

MEMBERSHIPS & ACTIVITIES

- Hellenic Basketball Federation: Basketball Referee at C National League(2011-today)

VOLUNTEERING

- Basketball Referee: Participation in Seasonal Tournaments for Children with special needs
- Participant in “Missing Maps” events in London

REFERENCES

References available upon request