

**Name:** Dr.Haval AbdulJabbar Sadeq

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**Birth Date:** 5-OCT-1973

**Place of Birth:** Erbil-Iraq

Academic web site: <https://sites.google.com/a/su.edu.krd/haval-sadeq/>

Personal website: [haval.itgo.com](http://haval.itgo.com)

### **Position**

Lecturer and head of the Surveying Engineering Department/College of Engineering at the Salahaddin University-Erbil.

Part time planner at Zozik Engineering.

### **Teaching**

- Map Projections(stage-2)
- Photogrammetry (stage-3)
- Supervising one group of student's Project (stage-4)
- Digital Photogrammetry – Postgraduate student
- C++ PhD student

### **Msc Supervision:**

Project title

“Integration of Terrestrial Laser Scanning and Photogrammetry for Documentational heritage”

### **Education record**

- **PhD in Geomatics** in the School of Geographical and Earth Sciences / College of Science and Eng. From the University of Glasgow-Glasgow-UK, 2015.
- **MSc. in Surveying** in the college of Engineering at the Salahaddin University-Erbil, Iraq, 2000.
- **BSc in the Civil Engineering** in the college of Engineering at the Salahaddin University-Erbil, Iraq, 1996.

### **Research interest**

Photogrammetry, Remote sensing, GIS, 3D building Modelling, Merging DSMs, DEM Quality assessments, and Bayesian Statistics.

### **Professional Memberships (continuing)**

Member in Kurdistan Engineering Union-Erbil/IRAQ (since 1996)

### **Professional Memberships (previous)**

- Member in ASPRS - American Society for Photogrammetry & Remote Sensing/USA (since 2015)
- Member in RSPSoc- Remote Sensing & Photogrammetry Society/ UK. (Since 2013)
- Member in CICES-Chartered Institution of CIVIL ENGINEERING SURVEYORS/UK (since 2015)
- Member in RICS: Royal Institution of Chartered Surveyors/UK (since 2015)

### **Work Experience**

2015-till now	Gained PhD and resume the teaching at the Surveying Department, Salahaddin University-Erbil
2011-2015	PhD candidate at the university of Glasgow-UK, based on HCDP fund.
2009-2011	Teaching Engineering Drawing and Visual Basic in the Surveying Engineering Department at the Salahaddin. University-Erbil,
2008-2009	Teaching C++ in the Civil Eng. Dep. and Engineering drawing in the Surveying Eng. Dep at the Salahaddin University-Erbil.
2008-2010	Head of library in college of Engineering at the Salahaddin University-Erbil.
2005-2008	Part-time job contract with the Salahaddin University-Erbil, for teaching Engineering Drawing and Surveying in college of Engineering.
2001-2008	Senior CAD operator and Primavera Scheduler in the United Nations & and private Construction companies (Zozik Group and Zagros Group for engineering)
2000-2001	Lecturer Assistant, teaching engineering Drawings in the software Dep. at the Salahaddin University-Erbil

1998-2000	Masters candidate in Civil Engineering-Photogrammetry at the Salahaddin University-Erbil.
1996-1998	Engineer at Surveying and AutoCAD lab. In Civil Engineering-Salahaddin University-Erbil

## **Publications (12 publications)**

### **2016**

- Sadeq HA. Utilizing Geographic Coordinates for postcode Design (2016). In Zanco. Journal of Pure and Applied Sciences Salahaddin University –Erbil. 28(5).
- Sadeq H, Drummond J, Li Z. MERGING DIGITAL SURFACE MODELS IMPLEMENTING BAYESIAN APPROACHES. In XXIII Conference of International Society of Photogrammetry and Remote Sensing. Prague-Czech Republic: 2015.

### **2015**

- Sadeq, H. 2015. Merging Digital Surface Models Sourced from Multi-Satellite Imagery and their Consequent Application in Automating 3D Building Modelling, (PhD thesis), University of Glasgow.

### **2014**

- Sadeq, H., Drummond, J. and Li, Z. (2014) “Bayesian Approach to Building Footprint extraction and 3D Modelling from High-resolution Satellite Imagery,” in Proceedings of the GIS Research UK 22nd Annual Conference. Glasgow-UK.

NB: The above paper was awarded The Whittles Prize for the “best paper integrating Remote Sensing and GIS”, on a conference participant vote.

- Sadeq, H., Drummond, J. and Li, Z. (2014) “Bayesian approach to building footprint extraction and 3D modelling from high resolution satellite imagery,” South-Eastern European Journal of Earth Observation and Geomatics, 3(2S), pp. 185–189

### **2012**

- Sadeq, H., Drummond, J. & Li, Z., 2012. Evaluation of ASTER GDEM v. 2 using GPS checkpoints, OSGB DEM values and photogrammetrically derived DEMs. In XXII Conference of International Society of Photogrammetry and Remote Sensing. Melbourne, Australia, pp. 295-300
- Sadeq, H., 2012. Comparing Ground Survey Data with SRTM Satellite Data: Case Study in North of Iraq. Al-Rafidain Engineering Journal, Mosul, Iraq, 20(5), pp.136-147.

### **2010**

- Sadeq, H., 2010. Accuracy Evaluation of SRTM (used in Google Earth) by Comparison with National Topographic Maps (1:50,000) in North of Iraq. University Of Technology, Baghdad, Iraq., 28(21), pp.6337-6346.

### **2009**

- Sadeq, H., 2009. Maximizing Project Control Using Project Management Software Case Study: Ifraz Water Treatment Project in Erbil Governorate. Zanco. Journal of Pure and Applied Sciences Salahaddin University - Erbil, 21(4).
- Sadeq, H., 2009. City Growth Monitoring Using Map and Remote Sensing: Case Study Arbil-Kurdistan. Zanco. Journal of Pure and Applied Sciences Salahaddin University -Erbil, 21(6).

### **2005**

- Sadeq, H. and Henari, K. (2005) ‘Photogrammetric Road Construction surveying’, Zanco. Journal of Pure and Applied Sciences Salahaddin University –Erbil, Iraq, 17(1), pp. 97–103.

### **2000**

- Sadeq, H. 2000. Photogrammetric Road Construction Survey, (Master thesis), Salahaddin University-Erbil.

### **Posters**

Sadeq, H., Drummond, J. & Li, Z., 2012 DSM Generation Based on Matching Multi-Satellite Images. In Wavelength conference-Falmouth-UK

### **Awards**

- Getting a prize ,“Book: High Resolution Optical Satellite imagery”, from Whittles Publishing for the best research paper in integrating GIS and Remote Sensing at GISRUk 2014 Conference- Glasgow-UK.