###### Oday Alhamadani

###### **Professional Experience**

|  |  |
| --- | --- |
| **Oct.2017 – till now** | Asst. Professor - Department of Surveying Engineering, University of Baghdad, Iraq |
| **Dec. 2012- Oct. 2017**  | Lecturer - Department of Surveying Engineering, University of Baghdad, Iraq |
| **March 2008- May 2012** | PhD Researcher - The University of Nottingham, UK . Demonstrator . Invigilator  |
| **Sep. 2003-Sep. 2007**  | Assistant Lecturer- Department of Surveying Engineering, University of Baghdad, Iraq  |

###### **Education**

|  |  |
| --- | --- |
| **March 2008 – May. 2012 University of Nottingham, UK** | **Ph.D. in Engineering Surveying and Space Geodesy****PhD Thesis:** Precise Satellite Orbit and Clock Generation for Long-Term Monitoring of Land Movements using GNSS |
| **Oct. 1999 – Aug. 2002****University of Baghdad, Iraq** | **MSc in Engineering Surveying****MSc Thesis:** The Proportional Method “PGPS” For the Acquisition of Terrestrial Coordinates (T.C) From The Global Positioning System  |
| **Oct. 1995 – July 1999****University of Baghdad, Iraq** | **BSc in Engineering Surveying**  |

###### **Professional & Skills**

* **Software and Programming**: AutoCAD, Bernese GPS Software, GPS coordinate time series analysis software (CATS), GITSA, Microsoft Office, Endnote, Minitab 15/16, Linux Shell Scripting, GPS Processing software, Generic Mapping Tools (GMT), Window & [Ubuntu PC operating systems.](https://ubuntu.com/desktop)
* **Multi-disciplinary Skills**: collaborated with professionals with diverse and worked effectively in a multi-cultural environment.
* **Foreign Languages**: English Language: Excellent

###### **Publications**

1. Jasem, M. and **Alhamadani, O.** (2020) “  Positional Accuracy Assessment for Updating Authoritative Geospatial Datasets Based on Open Source Data and Remotely Sensed Images”, *Journal of Engineering*, 26(2), pp. 70-84. doi: 10.31026/j.eng.2020.02.06.
2. Wanas, S. and **Alhamadani, O.** (2019) “Evaluation of the Performance of Online GPS/GNSS Data Processing Services for Monitoring the Land Deformations and Movements”, *Journal of Engineering*, 25(10), pp. 108-119. doi: 10.31026/j.eng.2019.10.08.
3. **Alhamadani, O.** (2018) “An Optimum Strategy for Producing Precise GPS Satellite Orbits using Double-Differenced Observations”, *Journal of Engineering*, 9(24), pp. 109-124. doi: 10.31026/j.eng.2018.09.08.
4. Jasim, Z., **Alhamadani, O.** and Mohammed, M. (2018) “Investigation the Arabian Tectonic Plate Motion Using Continuously Operating Reference Stations”. International Journal of Civil Engineering and Technology (IJCIET), 9(13), pp. 419-429.
5. **Alhamadani, O.** and Saeed, M. (2018) “Producing Coordinate Time Series for Iraq’s CORS Site for Detection Geophysical Phenomena”. *Journal of Engineering*, 24(1), pp. 41-52.
6. **Alhamadani, O.**, Albakri, M. and and Husain, Z. (2017) “GNSS Positioning Techniques for Enhancing Google Earth Data Quality”. 7th Scientific Engineering and the 1st International Conference, COEIA 2017 IEEE. 17-18 May 2017, University of Baghdad, Iraq.
7. **Alhamadani, O.** and Khalaf, A. (2016) “Robustness Assessment of Regional GNSS Geodetic Networks for Precise Applications”, *Journal of Engineering*, 22(12), pp. 139-153.
8. **Alhamadani, O.**, Ahmed, M. and Husain, Z. (2015) “GNSS Baseline Configuration Based on First Order Design”, *Journal of Engineering*, 21(1), pp. 100-114.
9. **Alhamadani, O.** (2014) “Global NAVIGATION Satellite System Contribution for Observing the Tectonic Plate Movements: Status and Perspectives”, *Journal of Engineering*, 20(12), pp. 132-149.
10. Aljoboory, B., Albakry, M. and **Alhamadani, O. (**2006) “Road Path Selection Using Geographic Information System (GIS)”, *Journal of Engineering*, 12(2), pp. 295-303.

###### **Abstracts and Conferences**

1. **Alhamadani, O.**, Bingley R. and Teferle, N. (2012) “The BLT IGS TIGA Analysis Center”. Published poster at: IGS Workshop 2012, Olsztyn, Poland, 23-27 July 2012.
2. Knowledge Exchange Workshop on Terrestrial Laser Scanning, Leicester, UK, 2-3 April 2012.
3. **Alhamadani, O.**, Bingley R. and Teferle, N. (2010) “ Satellite Clock and Precise Orbit Generation for Long-Term Monitoring of land movements Using GNSS”. Published poster at: IGS Workshop 2010/Vertical Rates Symposium 28 June - 2 July, Newcastle University, Newcastle upon Tyne, UK. ftp://stella.ncl.ac.uk/pub/IGSposters/Alhamadani.pdf
4. **Alhamadani, O.**, Bingley R. and Teferle, N. (2010) “Satellite Clock and Precise Orbit Generation for Long-Term Monitoring of Land Movements Using GNSS”, *IESSG Postgraduate Conference, University of Nottingham*, March 2010.
5. COST Action ES0701 WG3 Workshop, Nottingham, UK, 18-19 March 2010.
6. [Hansen, D.](http://adsabs.harvard.edu/cgi-bin/author_form?author=Hansen,+D&fullauthor=Hansen,%20D.%20N.&charset=UTF-8&db_key=PHY), **Alhamadani, O.**, Teferle, N. and Bingley R. (2009) “The Assessment of Re-Processed GPS Satellite Products For Long-Term Monitoring of Geodynamic Processes”, Published poster at: *American Geophysical Union (AGU)*, Fall Meeting 14-18 December 2009. San Francisco, CA, USA.
7. **Alhamadani, O.**, Bingley R. and Teferle, N. (2009) “A Comparison of Re-Processed GPS Satellite Products for Long-Term Monitoring of Geodynamic Processes”. Presentation at: BGA Postgraduate Research in Progress Meeting 2009. Imperial College London, UK.
8. **Alhamadani, O.**, Bingley R. and Teferle, N. (2008) “Satellite Clock Generation for Long-Term Monitoring of Land Movements Using GNSS”, *IESSG Postgraduate Conference*, University of Nottingham, UK, Sep 2008.
9. **Alhamadani, O.**, Bingley R. and Teferle, N. (2008) “Satellite Clock Product Generation for Long-Term Monitoring of Land Movements Using GNSS”. Published poster at: European Geosciences Union General Assembly, EGU10119, April 19 – 24 2008, Vienna, Austria. ftp://ftp.nottingham.ac.uk/pub/people/iszfnt/posters/EGU2009-10119.pdf

###### **Reviewer**

1. Journal of Engineering (JCOENG)
2. Association of Arab Universities-Journal of Engineering Sciences (JAARU) – (member of scientific committee)
3. Engineering and Technology Journal (ETJ)

###### **Professional Memberships**

1. European Geosciences Union (EGU)
2. American Geophysical Union (AGU)
3. Iraqi Engineers Union (IEU)