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Personal Info

- Sex: Male
 - Date of Birth : 01.08.1980
 - Place of Birth: Dier-Ghazala – Palestine
 - Nationality : Palestinian
 - Marital status : Married
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Education

- *Secondary School* / Scientific Branch: Jenin Secondary Boys School, Palestine, average 83.4%. 1998.
 - *BSc. Surveying and Geomatics Eng.* , Palestine Polytechnic University (PPU) , Palestine , graduated with distinction , 1998-2003.
 - *MSc. Geomatics*, HS–Karlsruhe, average 1.7 , 2004-2006.
 - *PhD. Study*, The Faculty of Civil Engineering and Geodesy, TU-Darmstadt. . Germany. Sept.2008-Jan.2013.
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Professional Experience

- *Licensed Land Surveyor*, since 2007
 - 2003-2004: *Teaching assistant for Surveying and Geomatics Eng* at PPU, discussions and Labs: Photogrammetry, Geodesy and Adjustment.
 - 2003: *GIS and Cartography*, Electricity Network Map of Al-Fawwar Camp.
 - 2006-2008: *Lecturer for Surveying and Geomatics Eng* at PPU, teaching: Photogrammetry1, Photogrammetry2, digital Photogrammetry, Surveying, GPS, GIS, Geodesy and Adjustment.
 - 2009 – 2011: External *Physical Geodesy* Teacher for Master of Geomatics Students.
 - 2010: taking apart in the project: Development of a *High capacity Real-Time GNSS* Positioning Service for Moldova (MOLDPOS). www.moldpos.eu .
 - 2010: GPS/Geodetic Engineer, fixing and testing of the *MOLDPOS GPS-Network* with respect to the Coordinates Transformations and the Accuracy of the calculated coordinates and heights.
 - 2008-2012: responsible for the *development of DFHRS* at the Hochschule Karlsruhe. www.dfxbf.de .
 - 2013-Now: *Lecturer for Surveying and Geomatics Eng* at PPU, teaching: Photogrammetry1, Photogrammetry2, digital Photogrammetry, Surveying, GPS, GIS, Geodesy and Adjustment.
 - 2013: GIS trainer, Advanced GIS for Cadastral Surveys for the Land Surveying Department.
 - 2013-2014 : Project Controller , *Cadastral Surveys* of more than 7,500 Donums in Dura city for the Land Surveying Department.
 - 2015: Geometric Correction and Image Processing of *Photogramteric Orthophoto of Hebron* City and Surrounding Area (30x30 km). Positional accuracy transformed from 5m to 0.3m.
 - 2016: Geometric Correction and Image Processing of *Photogramteric Orthophoto of AL-Dahriyya* City (10x10 km). Positional accuracy transformed from 5m to 0.3m.
 - 2016: Reveiw and Update of “*Term of Reference (TOR) for Photogrammetry* (Digital and Frame Cameras) for Urban Planning Purposes“, Ministry of Local Government, State of Palestine.
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Publications

- Younis G. (2015): Practical Method to Solve Large Least Squares Problems Using Cholesky Decomposition . Geodesy and Cartography, Volume 41, Issue 3, Taylor and Francis, ISSN : 2029-6991 (Print), 2029-7009 (Online).
- Younis G. (2015): Local earth gravity/potential modeling using ASCH. AJGS, Springer, Berlin / Heidelberg , DOI: 10.1007/s12517-014-1767-2. Online ISSN: 1866-7538 .
- Younis G. (2014): The use of Smart Phones for solving Mathematical Problems for Engineering Students, First National Conference in Teaching and Learning " Toward Creative Initiatives in Teaching and Learning in Higher Education" , 2-3.Dec.2014. Palestine Polytechnic University. Hebron, Palestine.
- Ghadi Younis (2013):Regional Gravity Field Modeling with Adjusted Spherical Cap Harmonics in an Integrated Approach ,Schriftenreihe Fachrichtung Geodäsie der Technischen Universität Darmstadt (39). Darmstadt . ISBN 978-3-935631-28-0 [Book].
- Janpaule I., Jäger R., Younis G., Kaminskis J. and Zarins (2013): DFHRS-Based Computations of Quasi-Geoid of Latvia, Geodesy and Cartography, Taylor & Francis Vol 39:(1) 11-17, ISSN 2029-6991 print / ISSN 2029-7009 online.
- Jäger R., Kaminskis J., Strauhmanis J. and Younis G. (2012): Determination of Quasi-geoid as Height Component of the Geodetic Infrastructure for GNSS-Positioning Services in the Baltic States, Latvian Journal of Physics and Technical Sciences, N 3, Vol. 49, ISSN 0868 - 8257.
- Younis G., Jäger R., Becker M.(2011): Transformation of Global Spherical Harmonic Models of the Gravity Field to a Local Adjusted Spherical Cap Harmonic Model. AJGS, Springer, Berlin / Heidelberg, DOI:10.1007/s12517-011-0352-1.
- Jäger R., S. Kälber and Younis G. (2010): The New RTCM 3.1 Transformation Messages – Declaration, Generation from Reference Transformations and Implementation as a Server-Client Concept for GNSS-Services. Bulletin of Geodesy and Geomatics. Firenze, Italy.
- Reiner Jäger , Simone Kälber , Peter Spohn, Ghadi Younis , Vasile Chiriac , Vasile Grama , Andrei Iacovlev and Livia Nistor-Lopatenco(2010) : Geodetic Infrastructure for GNSS Positioning Services (GIPS) . presentation at the 3rd GNSS Vulnerabilities and Solutions Conference, to be held in Baska, Krk Island, Croatia, 5 - 8 September 2010.
- Ghadi Younis (2006): Further development of the L2/ L1-norm GOCA Kalman-filtering DLL and extension to the computation and visualisation of variance estimations and probability and forecasting states. MSc. Thesis at HS-Karlsruhe , Karlsruhe, Germany. www.goca.info .
- Ghadi Younis and Mohamad Tbish(2003): Geo-map Calculator, BSc Thesis at Palestine Polytechnic University , Hebron , Palestine.

Scholarships

- 2004-2006: DAAD (German Academic Exchange Service) - Master degree.
- 2008-2013: DAAD to complete the PhD. Studies in TU-Darmstadt.

Computer skills

- DFHRS : Experienced www.dfhbf.de
- GOCA : very good www.goca.info
- CoPaG and CoPaGAXs : very good www.geozilla.de
- WTrans : experienced www.geozilla.de
- Trimble Geomatics office : very good
- ArcGIS 10.4 : very good
- Qgis: very good
- Leica Photogrammetric suit : good
- Photomodeller – scanner : good
- AutoCAD/ Autodesk Civil 3D : good
- Windows : Me/Xp/Vista/win7
- Linux (Ubuntu)
- Office : 2003 – 2010 : WORD , EXCEL , POWERPOINT

Programming

- Visual C++ : very good
- Visual Basic : very good
- Matlab: good
- Maple : good

Languages

- *English* : very good
- *German* : good
- *Arabic* : mother language

Professional References

- Prof. Reiner Jäger, Head of GNSS Labor, HS-Karlsruhe, reiner.jaeger@hs-Karlsruhe.de.
 - Prof. Matthias Becker, Head of Physical Geodesy Institute, TU-Darmstadt, becker@ipg.tu-darmstadt.de.
 - Prof. Tilman Müller, Lecturer, HS-Karlsruhe, tilman.mueller@hs-karlsruhe.de
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