# KHALID Said Rabaya’h, Associate Professor

Faculty of Graduate studies

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### Languages:

### English: (Speaking, Reading, & Writing)

### Dutch: (Beginner)

### Arabic: Native Speaker

**Key Qualifications**

**Khalid S. Rabayah** is an Associate Professor in Information System. He is the founder and the manger of an Information System research and Development centre at the Arab American University-Jenin, Palestine. Dr. Rabayah is an active researcher working largely in areas that involve employing technology in different aspects of life.

On the academic level, Dr. Rabayah is working full time at the faculty of graduate studies teaching advanced research methods, advanced data analysis and decision making, and project management, in addition to some other computer science courses.

Dr. Rabayah has an extensive experience in designing and conducting programs and projects evaluation studies including criteria and standards; generate professional reports and formulate recommendations to advance success rate.

Dr. Rabayah is also a professional trainers in capacity building of several issues, including but not limited to project management, entrepreneurship and business start-ups, strategic planning, visibility studies, assessment, evaluation and reporting, and leadership development.

Dr, Rabayah is a professional data analysis specialist, working at different levels of data analysis, including; reporting, analysis, forecasting and prediction. He is also expert in data gathering and survey design, data cleaning. Dr Rabayah is an expert in translating results of data analysis into recommendations for improved management and program planning decisions.

### Professional Experience

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| September 2016 – present | **Full time faculty member at the faculty of Graduate studies, Arab American University.** |
| September 2015 - present | **Supervisor of several master students at the Arab American university in area such as Computer Science, strategic planning and quality management.** |
| 18 Feb. – 1 April 2015 | **Trainer:** The Palestinian Bible society, training stuff on wide spectrum of skills to build a successful and effective organization including, leadership, strategic planning, operational planning, reporting and documentation, use of computers and Internet in management, etc. |
| November 2014 | **Trainer:** Strategic thinking and planning Palestinian security forces |
| September 2014 | **Trainer:** resume writing and preparation for job interviews at Alquds Open University. |
| June 2013 - | **Project leader:** interaction of Arabic culture with electronic and online learning systems |
| Jan. 15 – Feb. 17 2014 | **Visiting scholar at the Coventry University, Coventry UK**. The visit was intended to investigate the role of ICT, especially the social media is conflict transformation and resolution, within the frame of a research project between the Arab American University, Coventry University, UK, and Kader Has University in Turkey. |
| May 2013 - | **Project leader**: Testing the ICT use Correlation with Students’ Academic Achievements in Math and Science Based on the TIMMS International Test Scores. |
| May 6-8 2013 | Attending the Computer Supported Education Conference in Aachen Germany, and presenting a paper titled “Arab Learners' Cultural Values and Their Interference with E-Learning” |
| Jan. 2013 | **I have been promoted to the degree of Associate professorship in Information Systems** |
| Jan 2013 – March 2013 | **Project management trainer;** training was delivered to employees from several organizations, including municipalities and civil society associations, and organized by the World Vision Association. |
| Dec. 2012 – Feb. 2013 | **Consultant**: The National Electronic Learning initiative within the Palestinian Ministry of education. The task involves the assessment of Phase 1 of the project (2 years), and to decide how phase 2 should be oriented. The project is funded by the Belgian government, coordinated by the ministry of education, and implemented in more than 100 schools across West Bank. |
| September 2012- | **Project leader**: The addiction to Facebook and the Maslow's hierarchy of needs |
| November 2012 - | **Project leader**: The impact of domestic culture on the adoption and utilization of Information and Communication Technologies- ICT in management |
| May – June 2012 | **Trainer:** Proposal Writing and Fundamentals of Project Cycle Management. Zababdeh, |
| Jan. 2012 | **Trainer**, leadership development program, Arab American University |
| Jan 2012 – till now | Quality assurance, and evaluation committee member, Arab American University |
| April 2012 - till now | Strategic planning committee member, Arab American University. |
| March 2011 | Project leader: Course development of ICT for Development; proposal submitted to the Palestinian Faculty Development program, Amideast |
| March 2011 | Project leader: using ICT in teaching and knowledge creation at the university level; proposal submitted to the Palestinian Faculty Development program, Amideast. |
| Feb. 2011 – April 2011 | Consultant: Welfare association; Effective use of ICT in Palestinian schools. |
| Sep. 2010 – present | Chair person, Department Computer Information Technology  College of Engineering and IT, Arab American University. |
| Feb 2006– present | Director, Informatics for development research and development Centre  Leading the centre in conducting research and development projects in the fields of sustainable development, strategic planning, |
| Feb 2010 | Team leader in a project titled: Effectiveness of teaching life skills in the Palestinian educational system in the last 10 years (2000 to 2009). |
| Jan 2010 - | National Team member to review and assess problems and gaps in the Palestinian educational system, towards improving effectiveness and applicability of teaching and learning. |
| February, 2009 - | Research Fellow, Palestinian Central Bureau of Statistics, working to evaluate the ICT penetration and usage among enterprises with the WBG. |
| December 2008 | Evaluation of the ICT national strategy and the efforts to develop a Palestinian information society. |
| July 2008 | Technology Entrepreneurship Training, theory and practice;  15 hours contact. Presented by Intel Education in cooperation with the Lester Center for entrepreneurship and innovation Berkeley University. |
| January 2008 - | Senior telecom consultant and strategist with Dominion Access Palestine.  Dominion Access is one of the companies that has been granted license to work as Telecom Operator in Palestine. |
| November 2007 –Feb 2008 | Senior researcher and project leader to study the impact of opening of the telecom market on the Palestinian economic section. The project is undertaken on behalf of Palestine Information Technology Association of Companies – PITA. |
| Aug 2007 | Member of the International Symposium for Postgraduate Studies in ICT4D. Senior team member to annually review the master, PhD students work in the area of Information Communication Technology for development. |
| June 2007 | Training Course on “Strategic Planning for Participatory Local Development” 40 hours, delivered by  EPI (Ecoplan International In.) USA, and organized by the UNDP.  Evaluated as the best participant by the trainer. |
| June 2007-Feb. 2008 | Consultant, Relief International and UNIFEM. Assessment and evaluation of ICT for women Train the trainer project. |
| Feb 2007 – Feb 2008 | Member of the regional chapter in the GKP (Global Knowledge Partnership) of the MENA region. |
| Nov. 2006- present | Director, ICT for Development research Center, Arab American University, Jenin, West Bank, Palestine |
| April 2006 – August 2006 | Initiator, team leader, project manager and synthesizer of Maithaloun Municipality Strategy 2006 – 2006. Project was conducted in participatory approach where municipality member, civil society, and experts participated in series of gatherings to build the four year strategy for the town.  The town was awarded the best strategy plan in Palestine by the GTZ. |
| June 2006 –2007 | Member of the regional ICT for Development (ICT4D) committee within the International Development Research Centre (IDRC), Canadian based Organization. |
| Nov. 2005 - present | Consultant Ministry of Education Quality Improvement Fund.  Tasks include evaluating projects submitted by educational institutions in the field of capacity building. |
| Dec. 2005 – Feb 2007 | General Manager NorthNet Information Systems,  Jenin, West Bank. NorthNet is active in the field of Training, Internet service provision, networking, and ICT consultation. |
| June 2005 – Jan. 2006 | Consultant ANERA,  Task involved evaluating ANERA IT initiative of setting and operating Four IT Center of Excellency. |
| Feb. 2004 – Nov. 2005 | Consultant, Ministry of Telecom and Information Technology, design, implementation, and evaluation of several national ICT projects. |
| June 2004 – May 2005 | Coordinator, ICT national strategy, Ministry of Telecommunication and Information Technology. |
| Dec. 2005 –Dec. 2006 | ICT consultant, Al-Razi Hospital, Jenin.  Tasks included, design of a medical information system, and design and monitoring of a training module of all employees. |
| June 2004 – April 2006 | Ministry of Education: Team member ICT Curricula for the 10th, 11th and 12th grade. |
| Feb. 2005 – Feb 2006 | Executive committee member Employee Union, Arab American University, Jenin. |
| April 2006- August 2006 | Committee member, strategy of higher educational, Ministry of Education |
| August 2005- present | Consultant, Relief International – Schools Online , Ramallah |
| March 2005 – June 2005 | ICT Consultant, UNDP |
| Feb 2004 – 2006 | Team leader and project manager for building the ICT sector strategy in Palestine,  Consultant Ministry of Telecommunications and Information Technology. Palestine. |
| August 2003-present | Assistant Professor,   * Full time lecturer at the IT college |
| August 2001 – October 2003 | Deans Council Member, Arab American University, Jenin |
| August 2001- October 2003 | University Council Member, Arab American University, Jenin |
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| August2001-August 2003 | **Dean of College of Information Technology**  Faculty of Information Technology, Arab American University (AAUJ)   * Led the foundation of the IT College. * Full involvement in the college planning, coordination and administration. * Working as a senior lecturer in the IT college teaching different IT courses (see academic achievements) * Member of the university deans' council * Member of the university council * Actively participated in many committees in the university |
| 1999-2001 | Postdoctoral Fellow.  **Wireless System Group**  **IMEC, Leuven, Belgium**    Wideband TD/CDMA modem for satellite communication. The project is an extension of the Skybridge satellite system, which was conceived for a fixed terminal and targeting bitrate of 20-100 Mbps and operating at frequency band of 15 GHz. The project aims at extending the Skybrdige fixed terminal functionalities in order to support mobility and to demonstrate advanced features needed in future high data rate systems. The overall objective of the project is to design the ASIC of the user terminal that supports mobility at a data rate similar to that of the fixed terminal. The project is funded by the European Space Agency (ESA), and in close collaboration with Alcatel.  Within the framework of this project I have been active in the following tasks:   * Analysis and design of an adaptive chip equalizer to mitigate the inter-symbol (-chip) interference resulted from multi-path propagation. The equalizer complexity was kept low to make it implementable in a mobile receiver. * Synchronization that compensates for the extra Doppler shifts. Both the Delay Locked Loop (DLL) and the Phase locked loop (PLL) is studied and optimised in the receiver terminal. Less than 25 Hz error between the received signal and the local estimate has been achieved. The effect of the carrier and phase offsets on the performance of the adaptive equalizer is also studied.   Outside the framework of that project I carried out the following studies:   * Modifications of the third generation mobile system (UMTS-IM2000) for the satellite access mode.   The atmospheric effects on the earth-satellite channel in the frequency |
| 1996-1999 | Doctor of Philosophy (Ph.D), Electronics  Advisors: Prof. J. Nijs and Prof. G. Adrieansens,  Catholic University Leuven, Leuven Belgium. |
| 1995-1996 | Master of Science (M.Sc.) in Microelectronics  Catholic University Leuven, Leuven, Belgium, |
| 1992-1995 | Research and teaching assistant.  Birzeit University, Birzeit, West Bank. |

### Education

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| 1999- 2001 | **Postdoctoral in Telecommunications**  Catholic University of Leuven, Leuven, Belgium. |
| 1997-1999 | **Master of Telecommunications and Information Technology**  IMEC and consortium of universities and telecom companies, Belgium  *(Parallel with the PhD).* |
| 1996-1999 | **PhD in Microelectronics**  Interuniversity Microelectronic Centre (IMEC)  Catholic University of Leuven, Leuven, Belgium. |
| 1995-1996 | **Master in Microelectronics**  Interuniversity Microelectronic Centre (IMEC)  Catholic University of Leuven, Leuven, Belgium. |
| 1986-1992 | Bachelor of science, major of applied physics,  Birzeit university, Birzeit, West-Bank, Palestine. |

**Courses Taught in Information Systems & Technology:**

Introduction to Information Technology, Programming fundamentals –I, Programming Fundamentals-II, Computer Network I, Computer Network II, Wireless Networking, Advanced Topics in Networking, Information Systems, Management information Systems, Electronic Commerce, Information and Communication Technology for Development, Information Technology and Innovation, Introduction to Database, Introduction to Data mining.

**Courses taught in Telecommunication Engineering**

Networking concepts, Internet Basics, Introduction to Telecommunication Technology, Analog Communication, Digital communications II, Communication Electronics, Digital communication lab, Analog communications lab, Digital signal processing, Network Planning and Design, Wireless Networking, Optical communications, Internet Basics.

### Honours, Awards and Fellowships

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| 2011 | Teaching Excellence Award, Amideast, Ramallah, Palestine |
| 2008 | Candidate: Palestine Telecommunication Award of distinction |
| 2008 | Candidate: Life award, Life organization |
| 2005 | Hisham Hijjawi Award for Applied Sciences, Amman, Jordan |
| 1999-2001 | Post-doctoral Fellowship, Catholic University of Leuven, Leuven, Belgium. |
| 1996-1999 | Doctoral fellowship, Catholic University of Leuven, Leuven, Belgium |
| 1996-1998 | AISA (Arab Aid Student Association) scholarship, USA |
| 1995-1996 | Peace program scholarship, The Palestinian-European Academic Exchange program |
| 1988-1992 | Musa Naser scholarship for outstanding students, Birzeit University- West-Bank |

Publication in Information Systems

Book Chapter

Khalid S. Rabayah, 2016, *Cyber Conflict and Resistance in Israel and the Occupied Territory,* in the book, Özerdem, A., Thiessen, C., & Qassoum, M. (Eds.). (2016). *Conflict Transformation and the Palestinians: The Dynamics of Peace and Justice Under Occupation*. Taylor & Francis.

Journal Papers

1. Khalid S. Rabayah and Abdebaset Rabayah, Empirical adoption patterns of e-commerce in developing countries: ;case study in Palestine, submitted to the International Arab Journal of e-technology.
2. Haytham Qalalwi, and Khalid S. Rabayah, Enhancement of QoS of IoT networks with lightweight security protocol using Contiki OS, submitted to the Wireless Communication and Mobile Computing Journal.
3. Khalid S. Rabayah, INFORMATION TECHNOLOGY USE AND ACADEMIC ACHIEVEMENTS OF STUDENTS IN PRIMARY SCHOOLS, Journal of Information Technology and Learning Tools, vol. 43, issue 5, pp. 40-55 October 2014.
4. Khalid S. Rabayah, Rami Hodrob, Khalid Qalalwi, In-Depth Analysis of Adoption Patterns of E-Commerce in Developing Countries: Case Study Palestine, submitted to the International Journal of Electronic Commerce (IJEC), October, 2014.
5. Khalid S. Rabayah, Adoption Patterns of Information and Communication Technologies by enterprises in developing countries (Case study Palestine), Journal of Information Technology in Developing Countries, Volume 23, No. 3, November 2013
6. Khalid S. Rabaya’h, Khalid Qalalwi, The Impact of Mobile Telephony on Developing Countries Enterprises; A Palestinian Case Study, **Journal of Information Systems in Developing Countries (EJISDC)** (2011) 46, 4, 1-20.
7. Khalid S. Rabaya’h and Sami Awad, Creating an Information Society in Developing Countries: Lessons Learned from the Case of Palestine, **Information Technology in Developing Countries, Vol. 19, No. 2, June 2009,** pp. 2-9.
8. Khalid S. Rabaya’h, **Economic and Social Empowerment of Women through ICT: A Case Study of Palestine, Journal of community Informatics. Vol 5, No 3-4 (2009),**
9. Khalid S. Rabaya’h, ' A practical ICT for development framework: The ICT Centre of Excellence", **International Journal of Education and Development using Information and Communication Technology**. Vol. 4, No. 4 (2008).
10. Khalid S. Rabaya’h, Badie Sartawi, (2008) "Enhancing the labour market prospects of ICT students in a developing country", **Education + Training**, **Emerald Group Publishing Limited**, Vol. 50 Iss: 3, pp.244 – 259

Conference Papers

1. Khalid S. Rabayah, and Hasan Hanayshi, Information technology use by schools vs. Academic ‎achievements as measured by TIMSS international exams, International Conference on Education, in mathematics, Science and Technology, Turkey
2. Khalid S. Rabayah, Arab learners' cultural values and their interference with e-learning, International Conference on Education, in mathematics, Science and Technology, Turkey
3. Khalid S. Rabayah, and Ahmed Ewais, The role of Arabic culture in the students' ‎adoption of e-learning, accepted for publication in the 8th International conference on Computer Supported Education, to be held in Rome, April 21-23, 2016.
4. Khalid S. Rabaya'h, Testing the ICT use Correlation with Students’ Academic Achievements in Math and Science Based on the TIMMS International Test Scores. Accepted for publication in the 2nd conference on Technologies of Information and Communication in Education and Training, 4-6 November 2013, Tunisia.
5. Khalid S. Rabaya'h, *Can ICT work as an enabler for development and empowerment in developing countries*, accepted for publication in Fourth International Conference on Argumentation, Rhetoric, Debate and the Pedagogy of Empowerment, Doha, Qatar, 10 – 13 January, 2013.
6. Khalid S. Rabayah, Arabic learners' cultural values and their interference with E-learning environments, 5th International Conference on computer supported Education, to be held in Achen, Germany, 6-8 May 2013.
7. Khalid S. Rabaya’h and Khalid Qalalwi, *Adoption patterns of ICT among Palestinian Enterprises*, **ICTs and Development : An International Workshop for Theory, Practice, & Policy**, 11-12 March, 2010, Indian Institute of Technology Delhi, New Delhi, Sponsored by International Development Research Centre, Canada
8. Khalid S. Rabaya’h, *Why do women in rural areas seek ICT training? An evaluation of ICT training initiative targeting women in rural area in Palestine*.
   1. **IADIS Multi Conference on Computer Science and Information Systems - ICT, Society and Human Beings**, Amsterdam, The Netherland, July 23-28, 2008, Conference Proceedings, pp. 78-85.
9. Khalid S. Rabaya’h, Badie Sartawi, "*Cooperative Training Initiative: An Assessment of Reciprocal Relationships between Universities and Industry in Providing Professional Development in ICT*” International **Joint Conferences on Computer, Information, and Systems Sciences, and Engineering (CIS2E 07)**, December 3 - 12, 2007. Institute of Electrical & Electronics Engineers (IEEE)
10. K. S. Rabaya’h, M. Abu Daka, B. Sartawi, "*Excellency Centers bridging the gap between university graduates credentials and the market needs*" **Published in Journal of computer Science and Engineering in Arabic,** ISSN 1936-0525, Vol. 1 No 2. Pp. 134 – 147.

Publications in Micro and Semiconductor Electronics:

20 refereed publications in journals and conference Proceedings.