

Curriculum Vitae

Personal Data

Name : *Satea Hikmat Aboud Alnajjar*
Date of birth : *1966, Iraq / Baghdad.*
Status : *Married*
E-mail : *sateaahn@gmail.com*
Mobile : *+9647733500134*
Address : *Baghdad- Iraq*
Nationality : *Iraqi*
Language : *English, Arabic*

EDUCATION:

- **PhD.** Degree (2010-2014) in Communications Engineer, thesis title “**Smart Communications Platform System for Low Altitude Applications**”, School of Computer and Communication Engineering in University Malaysia Perils (UniMAP)
- **MSc. Science** Degree (2007-2009) Information and Communications Technology, thesis titles “**Wireless Network Design for Telecenter in Rural Area**”, University Utara Malaysia (UUM), Average of CGPA 3.61/ 4.
- **BSc.** Degree (2000-2004) in Computer Science from Mustansiriya University / Baghdad –Iraq, Average of four years 79.566%.
- **Technical Diploma** (1985-1987) in Parallel Courses/ Health Physics, Institute of Technical Medicine/ Baghdad -Iraq.

Research Interests

1. Information and Communication Technology.
2. Computer Communications (Networks).
3. Communication Platforms

WORKING EXPERIENCE

1. From July 2004 until April 2006, (*Full Time*) Working in Designed and administration project to link the wireless networks (**Telecenter**) in Baghdad / Iraq.(Private project)
2. From June 2006 until December 2007, (Full Time) Working as computer engineer in Royal International Trading House (LLC) Muscat- Oman.
3. From 2007 - 2014, Ministry of Industry and Minerals/ Altahady state company, Baghdad / Iraq, as a Programmer in Department of Engineering Design. (Study leave to complete the master's and Ph.D.)
 - a. From June 2011 until Feb 2014, Working as Graduate Assistant at University Malaysia Perlis (UniMAP), at School of Electrical System Engineering.
 - b. From November 2014- 2015, working as a lecturer (*Part Time*) at Al-Iraqia University/ Collage of Software & Networks Engineering. In addition to being a member of the curriculum development.

EXPERIENCE AND TRAINING COURSES

- Design and implementation of Wireless Local Area Network using Wi-Fi devices especially CISCO , D-LINK and MILAN products ,monitoring the net over IP's & Mac Address.

- Training Course in job-key training center (**Cisco**), successfully completed cisco certified network associated (**CCNA**) course for a total of 50 hours from 1-3-2009 to 27-4-2009 at the University of Utara Malaysia.
- Workshop in **Thesis Writing for Postgraduate Student 2010**, at University of Malaysia Perlis (UniMAP), Centre of Graduate Studies.
- Contributing in **Orientation Session**. Organized by Centre of Graduate Studies, 18 January 2011. University of Malaysia Perlis (UniMAP)

List of Published International Journals

- **Alnajjar, S. H., & Malek, F.** (2012). SCPS Solution for Heterogeneous Networks for Isolated Areas: A Novel Design Approach. International Journal of Innovative Computing Information and Control, 8(12), 8147-8164. ISI Scopus ,Impact Factor 1.664
- **Alnajjar, S. H., Malek, M. F. A., & Razalli, M. S.** (2013). A Novel Approach Evaluation for Enhancing Networks. SciVerse **Science Direct**, Procedia Engineering, 53, 497-503. Scopus
- **Alnajjar, S. H., Malek, F., & Wafi, Z. N. K.** (2013). Smart Platforms Surveillance System to Enhance Communication in Disaster Environments. International Journal of Engineering & Technology (0975-4024), 5(2). Scopus
- **Alnajjar, S. H., & Malek, F.** (2013). Innovative Systems for Enhancing Heterogeneous Networks Connectivity in Isolated Areas. International Journal of Engineering, 2(2). Scopus
- **Alnajjar, S. H., Malek, F., Razalli, M. S., & Ahmad, M. S.** (2014). Aerial Platforms to Ensure Communications Reliability in Disaster Areas.

Advanced Science Letters, 20(2), 369-374. ISI Scopus ,Impact Factor 1.04

- **Alnajjar, S. H., Malek, F.,** Razalli, M. S., & Ahmad, M. S. (2014). Low-Altitude Platform to Enhance Communications Reliability in Disaster Environments. Academic populating, Journal of Advances in Information Technology, 5(1), 21-30.
- Z.N.Khalil Wafi, Mohd Fareq Abd.Malek, **Satea Hikmat Alnajjar,** R.Badlishah Ahmad. Early warning system for Disaster management in rural area. Technology Management and Emerging Technologies (ISTMET), 2015 International Symposium, IEEE, Pages369-372.
- **Satea H Alnajjar,** Ammar A Noori, Arwa A Moosa. Enhancement of FSO communications links under complex environment. Photonic Sensors, 2017.

List of Conferences

- **Satea Hikmat Alnajjar,** Mohd Fareq Abd Malek, "SCPC" Innovative System for the Aerial Altitude Platform Sky mesh network in rural & disaster areas, 3rd International Conference on computing and informatics, ICOCI2011,8-9 June 2011, Bandung, Indonesia, paper no. 50.
- **Satea Hikmat Alnajjar,** Mohd Fareq Abd.Malek, Sharazeel Rozaili, Innovative System for the Aerial Altitude Platform Sky Mesh Network in Isolated Areas, the 2nd International Malaysia-Ireland Joint Symposium On Engineering, Science and Business, IMiEJS 2012 Kuala Lumpur, Malaysia. June 18-20, 2012.
- **Satea Hikmat Alnajjar,** Mohd Fareq Abd.Malek, Sharazeel Rozaili "Innovative System to Optimizing the Networks Connectivity in Isolated Areas" in 3rd International Conference On The Roles Of The Humanities And Social Sciences In Engineering - ICOHSE2012. Kuala Lumpur, Malaysia. Feb 23-25, 2012.
- **Satea Hikmat Alnajjar,** Mohd Fareq Abd.Malek, "A Novel Approach Evaluation For Enhancing Networks Connectivity In Disaster Area" in

Malaysian Technical Universities Conference on Engineering and Technology (MUCET) Kuala Perlis, Malaysia. Feb 21-23, 2012.

- Z. N. K.Wafi, M. F. Abd.Malek, **S. H. Alnajjar**, and R.Badlishah, "Development of image recognition disaster surveillance in rural area," in 3rd International Conference on the Roles of the Humanities and Social Sciences in Engineering - ICoHSE, Cititel Hotel Mid Valley Kuala Lumpur Malaysia, 2012, p. 31.
- **Satea Hikmat Alnajjar**, M. F. A. M., Sharazeel Rozaili, M.S. Ahmad. (2013). Aerial Platforms to Ensure Communications Reliability in Disaster Areas. Paper presented at the Annual International Conference on Advances in Technology in Telecommunications, Broadcasting, and Satellite (TelSaTech) Indonesia.

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Exhibitions, Acknowledgments and awards

- ✓ **Silver Medal Award** for Project entitled "SAPS" Innovative System For The Aerial Altitude Platform Sky Mesh Network In Rural And Disaster Areas, Group Members: **Satea Hikmat, Alnajjar** Fareq, A. Malek. The International Invention and Innovation Exhibition (I-ENVEX) held on 8-10 April 2011 at Dewan 2020, Kangar Perlis.
- ✓ **Bronze Medal Award** For Project entitled "Sky Mesh Network For Malaysia Rural Area Based on an OCDMA and Aerial Altitude Platform," Group Members: Hilal Adndn Fadhil, **Satea Hikmat Alnajjar**, S.A. Aliunid, A. Fareq A .Malek, Anuar M.Safar, Malaysia Technology Expo 17-19 February 2011, Kuala Lumpur.
- ✓ **Gold Medal Award** For Project entitled "A Novel Solution For Providing Broadband Wireless Connectivity In Urban and Rural Areas," Group Members: Hilal Adndn Fadhil, **Satea Hikmat Alnajjar**, Fareq A .Malek, Unimap Expo 2012, Dewan Pauth Putra, 11 January 2012.
- ✓ **Gold Medal Award** for Project entitled "Switched Parasitic Patch Antenna Array FOR Smart Antenna Application," Malaysia Technology Expo 17-19 February 2011, Kuala Lumpur, Group Members: Mohd Fareq Abd. Malek, Hafizuddin, Ismahayati Bt.Adam, **Satea Hikmat Alnajjar**.

- ✓ **Gold Medal Award** for Project entitled “Low-altitude remote sensing system to enhance networks connectivity in disaster environment,” Razallia Ekxpo Rekacipta & Pameran Penyeidikan Unimap 6 January 2013, Group Members: **Satea Hikmat Alnajjar**, Mohd Fareq Abd. Malek and Mohd Sharazel.
- ✓ **Bronze Medal Award** for Project entitled “Low-Altitude Remote Sensing System to Enhance Networks’ Connectivity in Disaster Environments, Malaysia Technology Expo, 21-23 February 2013, Group Members: **Satea Hikmat Alnajjar**, Mohd Fareq Abd. Malek and Mohd Sharazel Razallia.
- ✓ **Bronze Medal Award** for Project entitled “Evaluate Traffic Surveillance system Performance Utilizing Opencv, Paper presented at the International Conference and Exposition on Invention of Institutions of Higher Learning, held at Kuala Lumpur Convention Centre 7-9 November 2013.

Others

- **PATENT APPLICATION IN MALYSIA**

Patent Application No: PI 2014702458

Filling Date: 27 August 2014

Applicant: University Malaysia Perils

Inventor (S): (1) Satea Hikmat Aboud Alnajjar
(2) Mohd Fareq Abd. Malek

Invention: Smart Surveillance System

- Certificates of Acknowledgment from the **Director General of Intellectual Property Corporation of Malaysia (MYIPO)**, for the Participation in. **Patent Competition** “Innovative Solutions for everyday life”, *Kuala Lumpur, 22 June 2011.*
- **Certificate Interest** from **Telekom Malaysia Sdn TM**, (3 Dec 2010)
- **Certificate Interest** from Masdar Technologies Malaysia, Rujukan: UNIMAP/S002/13 (18 Dec 2013).

- **OptiSystem Publication References - Optical Communication System Design 2013.**

[228] **S. H. Alnajjar**, M. Fareq, A. Malek, and K. W. Zainab Nazar, "Smart platforms surveillance system to enhance communication in disaster environments," International Journal of Engineering and Technology, vol. 5, no. 2, pp. 649–658, 2013.

- **OptiSystem Publication References - Optical Communication System Design 2014**

[16] **S. H. Alnajjar**, F. Malek, M. S. Razalli, and M. S. Ahmad, "Aerial Platforms to Ensure Communications Reliability in Disaster Areas," Advanced Science Letters, vol. 20, no. 2, pp. 369–374, 2014.

[73] **S. H. Alnajjar**, F. Malek, M. S. Razalli, and M. S. Ahmad, "Low-Altitude Platform to Enhance Communications Reliability in Disaster Environments," Journal of Advances in Information Technology, vol. 5, no. 1, pp. 21–30, 2014.

- **Membership at IEICE, Institute of Electronics, Information and Communication Engineer, Tokyo-JAPAN. Member No: 1380451**

Reference:

1. **Assistant professor Dr. Mohammed H. Hafiz**, Dean of college of Engineering in Al IRAQI University / Baghdad - Iraq.
Email: **drmhh1962@gmail.com**
2. **Prof. Madya Dr. Wan Rozaini Bt Sheik Osman**, Director ITU-UUM ASP CoE for RURAL ICT Development in Universiti Utara Malaysia.
Email: rozail74@uum.edu.my.
3. **Prof. Madya. Dr.Mohd Fareq bin Abd Malek** (My Supervisor in PhD).
Dean of School of Electrical System Engineering, University Malaysia Perlis.
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