AL-NAHRAIN UNIVERSITY
COLLEGE OF INFORMATION ENGINEERING

ACADEMIC CV

1-Personal Details

Full Name	Dr. Nasser Nafea Khamiss
Scientific Rank	Professor
Current position /Department	Lecturer/ Engineering System Department
Emails	nassrnafea@gmail.com

2-Education

Degree	Discipline	Institution	Year	
			From	To
Ph.D.	**PhD in Digital Communication**	**Lodz Institution Of Technology.Poland**	**1995**	**2000**
M.Sc.	**M.Sc. in digital communication systems**	**Technology Univ. Iraq**	**Oct.1987**	**1989**
B.Sc.	**B.Sc in electrical engineering**	**Mousel Engineering College**	**Oct.1976**	**30june1980**

3. Academic Activities

	Institution	Rank	Title	When	FT or PT
1.	Al-Nahrain Uni Eng.College	Asist Lecturer	Lecturer	1990-1995	FT
2.	Lodze **Institution Of Technology.Poland**	Post Graduate student	researcher	1995-2000	FT
3.	Al-Nahrain n Uni Eng.College	Lecturer	Researcher and Lecturer	2000-2005	FT
4.	Al-Nahrain Uni Information Eng.College	Assist Prof	Researcher and Lecturer	2005-2010	FT
5.	Al-Nahrain University Information Eng.College	Prof	Researcher and lecturer	2010-2020	FT

6.	Baghdad Uninersity ..College of engineering	Prof	Senior lecturer	2017- 2018	PT
7.	Information Institution	Prof	PhD projects supervision	2018-2020	PT

4. Academic Experience

	Field
1.	I have taught many subjects of electronics, computer and related networks, and communication engineering for under and postgraduate students (1990-2015) such as: Electronic Systems, Electronic Engineering, Communication Systems, Communication Networks, Digital Signal Processing Systems, Image Processing and its techniques, artificial intelligent Systems, Mobile computing system, and multimedia systems.
2.	I have taught subject of multimedia and their applications over communication channels for PhD students
3.	Research Activities: ▪ More than 60 published paper. ▪ Supervisor of more than 35 M.Sc. and 5 Ph.D. thesis for communication systems, biomedical image, biomedical networks, video, and multimedia applications.

5. Non-Academic Experience

	Field
1.	Since 1981 till now I have been involved in the following practical engineering works: (1981-1999) - Telecommunication Systems, Switching Systems and Transmission Systems (PCM and Microwaves). Measurement Equipments, those are required for Telecommunication Systems erection and maintenance. - Different duties involving participation in setting up of research laboratories for Electronics, Communication, and Computers networks.
2.	I have a good experience in the data systems services for buildings and sits (specifications, design, supervision, and implementation). Generally, these systems are telephony networks, intercom networks, data networks, monitoring networks, multimedia system, broadcasting system.
3.	Since 2000 I have designed and supervised many works, such as communication works of many sites of industrial ministry, communication works of AL-Durra Refinery/ministry of oil, data systems of the electrical ministry building, supervision of control and data communication systems of 230MVA Haditha power generation station, and design and implementation of a digital communication research center.

6. Current Membership in Professional Organizations

	Title	Organization Name
1.	**Expert**	**Iraqi Engineering Union**

7. List of Published Papers & Presentations

- **Nasser N. Kamiss Al-Ani** and T. Kacpszak,:"*Computer Simulation of Time-Varying CNNs*", Third Conference Neural Networks and their Application, Kula,Poland, 14X.1997.
- **Nasser N. Kamiss Al-Ani** and T. Kacprzak: " Image Processing using Time-Varying Cellular Neural Networks" fifth IEEE International CNN and their Applications, PP.319-324 London 1998.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T.," *Application of Time-Varying Cellular Neural Networks for Optimization Tasks"*, Polyoptimization and CAD, Mielno, Poland, 1998. Proc. pp. 15-22.
- **Nasser N. Kamiss Al-Ani** and T. Kacpszak " *Application of Time-Varying CNNs for Morphological Operation in Image Processing*" II CAI Theory & App., Lodz, Poland, September-1998.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T.," " Cellular Neural Networks-based Binary and Grey-scale Morphological Skeletonization in Image Processing, Lodz, Poland.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T.: *Basin of Attraction of Time-Varying Cellular Neural Networks for Optimization Tasks,* Polyoptimization and CAD, Mielno, Poland, 1998. Proc. pp. 15-22.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T., and Kowalski J.," *A Programmable Analog Cellular Neural Network Based on Multiple-Input Transconductance CMOS Amplifier*", Proceeding of the 1999 European Conference on Circuits Theory and Design, Budapest, Hungary, PP., August, 1999.
- **Nasser N. Kamiss Al-Ani** and T. Kacpszak " *Application of Time-Varying CNNs for Optimal Solution*", Sixth IEEE International CNN and Their Applications, Catnie, Italy, 2000.
- **Nasser N. Kamiss Al-Ani** and T. Kacpszak " *Application of Time-Varying CNNs Based Morphological Image Processing*", Sixth IEEE International CNN and Their Applications, Catnie, Italy, 2000.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T.: *Time-Varying Cellular Neural Networks Dynamic System*, CAI 2000 Proceeding Conference, Poland.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T.: *Cellular Neural Networks Dynamic System: Linear Region*, ISAS 2000 Proceeding Conference, USA.
- **Nasser N. Kamiss Al-Ani**, Kacprzak T., and Kowalski J.," *A Programmable gm-c Time-varying Cellular Neural Network Implementation for Optimization and Image Processing*",

Proceeding of the Fifth Conference of Neural Networks and Soft Computing, Zacopana, Poland, PP.730-737, June, 2

- **Nasser N. Kamiss Al-Ani and** Kacprzak T," *Voltage-Mode Time-Varying Cellular Neural Networks Implementation for Optimization and Image Processing*", Proceeding of the 1999 European Conference on Circuits Theory and Design, Budapest, Hungary, PP., August, 1999.
- **Nawaf Al Omar** and **Nasser N. Kamiss Al-Ani**, ," *Cellular Neural Networks for selected Image Processing Tasks*", IEEE Proceeding, Jordan, 2001.
- **Waseem Majeed** and **Nasser N. Kamiss Al-Ani**, ," *Data Acquisition System for Automated Test Equipment*", Proceeding conference, Baghdad, Iraq, 2002.
- **Nasser N. Kamiss Al-Ani** and **Shaima Jabbar Al Dhifery**," Artificial Intelligence for Mussel Image analysis and diagnosis", 2003.
- **Nasser N. Kamiss Al-Ani** and **Asmaa Abass Altamimy**," An Algorithm for Human Brain Clustering and Compression", ready for publication, 2005.
- **Nasser N. Kamiss Al-Ani** and **Laith Kallid**," *Current-Mode Time-Varying Cellular Neural Networks Implementation for Optimization and Image Processing*", ready for publication, 2005.
- **Dr. Nasser N. Kamiss Al-Ani and Noorideen M. Alani**," 7 kHz Audio Coder Using ADPCM Technique For a Telephony Channel" The international Conference on Computer and Communication Engineering ICCCE 06 Malaysia 2006.
- **Nasser N. Kamiss Al-Ani,"** Design Methods of Large Neighborhood Templates of Cellular Neural Networks for Image Processing Applications", ready for publication, 2005.
- Nasser N. Khamiss, "BROADBAND CABLE ACCESS NETWORKS FOR TRIPLE PLAY SERVICES: SOURCE-DESTENATION", American Journal of Engineering Research (AJER) e-ISSN : 2320-0847 p-ISSN : 2320-0936 Volume-01, 2012.
- Nasser N. Khamiss and Hamsa A. Abdullah,"Constant Bit Rate For Video Streaming Over Packet Switching Networks", The 1stRegional Conference of Eng. Sci. NUCEJ Spatial ISSUE vol.11, No.3, 2008 pp 501-510 NUCEJ vol.11, No.3, 2008
- Nasser N. Khamiss and Nehad Hameed Hussein," Implementation of Web-based Management System for PACS Network", International Journal of Engineering Practical Research (IJEPR), Volume 3 Issue 1, February 2014.
- Nasser N. Khamiss, "An Integrated Forward Error Correction Scheme for Broadband Satellite Channels using Turbo Codes" Asian Journal of Information Technology, Year: 2010 | Volume: 9 | Issue: 1 | Page No.: 16-27
- Nasser N. Khamiss and Ziad Sabah Abir," Building of Reliable E-Learning Management System for University Campus" International Journal of Advancements in Computing Technology **1** (2009) 65-72
- Nasser N. Khamiss and Sarah Ali Abdullah," Performance Analysis of Triple Play Services over WiMax Access broadband Technology" IJCSET, January 2013 | Vol 3, Issue 1, 8-15
- Nasser N. Khamiss," IPTV traffic over pDSL: Performance and analysis evaluation" International Journal of Advancements in Computing Technology(IJACT) Volume5, Number8, April 2013

- Nasser N. Khamiss,"Neural Fuzzy Intelligeut System for ICT Image Segmentation and Analysis in the Presence of Integrity Inhomogeneities" INTERNATIONAL CONFERENCE ON ICT FOR THE MUSLIM WORLD ICT4M 2006

- Nasser N. Khamiss and Qusay Abdul Ameer A. Hassan," University Hospitals and Teaching Institutes World Wide One PACS" International Journal of Computer Science Engineering and Technology (IJCSET) | November 2014 | Vol 4, Issue 11,287-295.

- Nasser N. Khamiss, Asaad S. Shyaa," Performance of Mobile Learning System Based on Triple Play" International Journal of Scientific & Engineering Research, Volume 7, Issue 4, April-2016 1, ISSN 2229-5518
- Nasser N. Khamiss and Donya A. Khalid," Adaptive Rate Control for Low Rate Video Transmission over Wireless Network" International Journal of Scientific & Engineering Research, Volume 7, Issue 4, April-2016 1, ISSN 2229-5518.
- Noor N. Edan, Nasser N Khamiss, Updated Techniques for Advance LTE Downlink Model: Investigation and Evaluation, 2018 Third Scientific Conference of Electrical Engineering (SCEE), IEEE, pp.197-202, 2018
- Sarmad K Ibrahim, Nasser N Khamiss, Optimization a Scheduling Algorithm of CA in LTE ADV, TELKOMNIKA (Telecommunication Computing Electronics and Control), Vol.16, No.6, pp.2514-2521, 2018.
- Sarmad K Ibrahim, Nasser N Khamiss, Optimal Usage of LTE Advanced System to Support Multi-user in Video Streaming Application, 2018 Third Scientific Conference of Electrical Engineering (SCEE), IEEE, pp.197-202, 2018.
- Sarmad K Ibrahim, Nasser N Khamiss, A New Wireless Generation Technology for Video Streaming, Journal of Computer Networks and Communications,Hindawi, Vol, 2019, pp. 1-9, 2019.
- Sarmad K Ibrahim, Nasser N Khamiss, Improved Video Coding Technique for Next Generation Communication System, Journal of Communications, Vol.14, No.8 , pp.715-720, 2019.
- Sarmad K Ibrahim, Nasser N Khamiss, A New Video Coding Approach to The Future Wireless Communication System, Iraqi Journal of Information & Communications Technology, Vol.2, No.1 , pp.37-47, 2019.
- Sarmad K Ibrahim, Nasser N Khamiss, A New Video Transcoding for Future Wireless Communication System, International Conference on Electrical Engineering and Informatics (ICEEI),IEEE, Accepted , 10 July, 2019.
- Kadhim Hayyawi Flayyih, Mahmood Abdul Hakeem Abbood, Prof.Dr.Nasser Nafe'a Khamees, H.264 Video Transmission with High Quality and Low Bitrate over Wireless Network, International Advanced Research Journal in Science, Engineering and Technology Vol. 5, Issue 5, May 2018.
- Kadhim Hayyawi Flayyih, Prof.Dr.Nasser Nafe'a Khamees,H.264 Video transmission over WiMAX and ADSL network, International Advanced Research Journal in Science, Engineering and Technology Vol. 5, Issue 8, May 2018.
- Mahmood Abdul Hakeem Abbood, Prof.Dr.Nasser Nafe'a Khamees, Reliable Video Broadcasting for the E-Learning Environment, International Advanced Research Journal in Science, Engineering and Technology Vol. 5, Issue 8, May 2018.
- Hiba K. Abd Al-azeez 1, Nasser N. Khamiss, OPTIMAL QUALITY ULTRA HIGH VIDEO STREAMING BASED H.265,
- Hiba K. Abd Al-azeez 1, Nasser N. Khamiss, ULTRA HIGH VIDEO STREAMING BASED H.265OVER INTERNET
- Fahad Hassan, Nasser N. Khamiss , Video over MANETs: The Impact of Obstacles, Node Mobility Speed and Background Traffic on the Perceived Video Quality. [conference]
- Fahad Hassan, Nasser N. Khamiss , Video Streaming over Mobile Networks: Analysis and Evaluation. [conference]

- Fahad Hassan, Nasser N. Khamiss Adaptive FEC for Packet loss Recovery of Streamed Video over Heterogeneous Local Area Networks. [conference]
- Mohammed Khudhur Hussein1, Nasser N. Khamiss, Integrating Millimeter Wave with Hybrid Precoding Multiuser Massive MIMO for 5G Communication ,

Supervision

MSc students more than 35 students.
PhD up to now 5 students.