University of Mosul/ College of Engineering/ Computer Engineering Department

Master's and PhD Thesis – Computer Engineering Department (1999–2007)

No.	Title	Student Name	Supervisor	Degree	Year
1	Depth memory for stereoscopic rendering	Basma Mohammed Kamal	Dr. Fakhr Al-Din Hamed	M.Sc.	1999
2	Wavelet filters and their applications in image denoising	Firas Mahmood Mustafa	Dr. Ahmed Khurshid	M.Sc.	1999
3	Face recognition using Neocognitron neural networks	Shifa Abdulrahman Dawood	Dr. Basel Shukr	M.Sc.	2000
4	Design and simulation of fast architectures for sectioned wavelet transform	Muhannad Luqman Ahmed	Dr. Ahmed Khurshid	M.Sc.	2001
5	Design of a spectrum analyzer using computer	Samar Ammar Yasser	Dr. Basel Shukr	M.Sc.	2003
6	Feature extraction of processed signals using wavelet transform and artificial neural networks	Shawqi Abdulraqib	Dr. Ahmed Khurshid	M.Sc.	2003
7	Study of wavelength effect on the performance of active fiber coupler in local networks	Salah Abdulghani	Dr. Tareq Al-Jumaili	M.Sc.	2004
8	Multi-code spreading for CDMA signals	Safaa Mohammed Zaki	Dr. Baez Khurshid	M.Sc.	2004
9	Application of genetic algorithms in robotic soldering of PCBs	Wurqa Younis Ibrahim	Dr. Abdul Sattar Mohammed	M.Sc.	2004

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10	Architecture design for wavelet denoising using VLSI description language	Yahya Taher Qasim	Dr. Ahmed Khurshid	M.Sc.	2004
11	Effects of EDFA amplifier power variations in optical add-drop multiplexed networks	Jumana Abdullah	Dr. Tareq Al-Jumaili	M.Sc.	2005
12	Image compression for electronic ID card usage	Azzam Essam Mahmood	Dr. Fakhr Al-Din Hamed	M.Sc.	2005
13	Smart card and fingerprint in high-security access card design	Omar Fakhri Ahmed	Dr. Fakhr Al-Din Hamed	M.Sc.	2005
14	Modeling and simulation of very high speed DSL line	Ahmed Saad Ali	Dr. Baez Khurshid	M.Sc.	2006
15	2D wavelet transform architecture using lifting scheme with VHDL	Jwan Hussein Abdul	Dr. Ahmed Khurshid	M.Sc.	2006
16	Design of a neural image recognizer in software and hardware using FPGA	Shifa Abdulrahman Dawood	Dr. Basel Shukr	Ph.D.	2006
17	Architecture implementation of MPEG components	Ahlam Fadel Mahmoud	Dr. Ahmed Khurshid	Ph.D.	2006
18	Evaluation of OSNR and BER for Erbium-Doped Fiber Amplifier in WDM optical networks	Hanan Hussam Hamed	Dr. Tareq Al-Jumaili	M.Sc.	2006
19	Design and simulation of optical fiber as a wavelength converter	Omar Ahmed Yousif	Dr. Tareq Al-Jumaili	M.Sc.	2006
20	Analysis and design of CDMA-based wideband access in 3G systems	Omar Hazem Salem	Dr. Abdulilah Abduljabbar	M.Sc.	2006
21	Fuzzy control system design using AT89C51 microcontroller	Omar Khalil Hassan	Dr. Basel Shukr Mahmoud	M.Sc.	2006

No.	Title	Student Name	Supervisor	Degree	Year
22	Characteristics of Erbium-Doped Fiber Amplifiers	Furat Younis Abdulrazaq	Dr. Tareq Al-Jumaili	M.Sc.	2006
23	SIMD architecture for segmented wavelet transform using WHDL	Farah Suleiman Dawood	Dr. Ahmed Khurshid	M.Sc.	2006
24	Use of artificial neural networks in motor sound classification	Luay Salim Yahya	Mr. Thakwan Mohammed Saleem	M.Sc.	2006
25	Design and implementation of fuzzy industrial control system	Maher Mohammed Fawzi	Dr. Fakhr Al-Din Hamed	M.Sc.	2006
26	Speaker recognition using fuzzy neural networks	Nada Abdulghani	Dr. Abdul Sattar Mohammed	M.Sc.	2006
27	Computer system for recognizing Iraqi vehicle plates	Ghassan Ahmed Ismail	Mr. Thakwan Mohammed Saleem	M.Sc.	2006
28	Improvement and study of Industrial Ethernet network	Qutaiba Ibrahim Ali	Dr. Basel Shukr Mahmoud	Ph.D.	2006
29	Grid field unit for power feed control using a network processor	Inam Fathi Khudhur	Dr. Abdul Sattar Mohammed	M.Sc.	2007
30	Design and implementation of Kohonen-type neural network cells	Basma Mohammed Kamal	Dr. Basel Shukr Mahmoud & Dr. Fakhr Al-Din Ali	Ph.D.	2007
31	Design and implementation of general fuzzy controller using VHDL and FPGA	Rasha Ilham Majid	Dr. Basel Shukr Mahmoud	M.Sc.	2007
32	Speaker mixture identification system	Ahmed Mamoun Fadhil	Dr. Baez Khurshid	Ph.D.	2007
33	Evaluation of optical fiber ring resonator component	Saleh Mustafa Saleem	Dr. Tareq Al-Jumaili	Ph.D.	2007

No.	Title	Student Name	Supervisor	Degree	Year
34	Image encryption using modified JPEG2000 and architectural implementation	Adnan Mohsen Abdul	Dr. Ahmed Khurshid	Ph.D.	2007
35	Path determination and switching in WDM optical networks	Firas Mahmood Mustafa	Dr. Tareq Al-Jumaili	Ph.D.	2007
36	Enhancing performance of asynchronous BFSK receiver using DSP techniques	Mohammed Ahmed Shakir	Dr. Baez Khurshid	Ph.D.	2007
37	Design and implementation of Ethernet methods	Mayada Faris Al-Omari	Dr. Basel Shukr Mahmoud	M.Sc.	2007
38	Performance measurement of OpenLib and 39comparison with FPGA-based drawing algorithms	Ammar Idris Dawood	Dr. Fakhr Al-Din Ali	M.Sc.	2007
39	Design and implementation of mobile phone-based monitoring and control system using GPRS	Basman Mahmood Hassan	Mr. Thakwan Mohammed Saleem	M.Sc.	2007

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