

Dr. Isam Zabalawi Curriculum Vitae (CV)

Name:	Isam Hasan Zabalawi
Date of Birth:	October 29,1950
Place of Birth:	Amman, Jordan
Nationality:	Jordanian
Children:	Three (2M, 1F)
Marital Status:	Married



1. Contact Information

Phone (office) Fax	00962 6 5502900 exts. 115 and 275 00962-6-5237834
E-Mail:	zabalawi@aabfs.org

2. Education

- Leeds University (England), 1976-1979. Postgraduate student with the Electrical & Electronics Engineering Dept. Graduated with Ph.D. degree.
- Leeds University (England), 1975-1976. Postgraduate student with the Electrical & Electronics Engineering Dept. Graduate with MSc with Distinction in Microwave Communications Engineering.
- Cairo University (Egypt), 1969-1974. Undergraduate student with the Electrical Engineering Dept. Graduate with B.Sc. Honors with Distinction in Electrical Engineering. Electronics and Communications section.
- Al-Hussein College, 1967-1969. Graduated with the "General Secondary Certificate" Scientific Stream.

3. Languages: Arabic and English

Language	Reading	Writing	Listening	Speaking
Arabic	good	good	good	good
English	good	good	good	good

Employment

1 Feb. 2009	President, The Arab Academy for Banking and Financial Sciences.
Feb. 2009	Chairman, Board of Trustee, University for Banking and Financial Sciences.
Sept. 2008	Professor: University of Jordan (Part time) Professor ,German-Jordanian University (part time)
May 2007-	Higher Education Consultant, Trans Middle East International Distribution Co. Ltd, Amman-Jordan
May 2005	Higher Education Consultant, Eduhouse International Co. Ltd, Amman-Jordan

May 2005 -2007	President, International University for Science and Technology (IUST) , Syria
Oct 2003 - April 2005	Minister of Higher Education and Scientific Research, Jordan
1999 - June 2003	Chancellor, University of Sharjah, Sharjah, UAE Responsible for academic, administrative and financial.
April,1999 - Sep.1999	Chairman, Higher Education Accreditation Council of Jordan
Sept.1996 -Sept.1999	Academic vice-president (Scientific and Medical Faculties) University of Jordan, Amman, Jordan
Feb.1994 - Sept.1996	Head, Electrical & Electronics Engineering Dept. College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman
Sept.1989 -Sept.1993	Dean, Faculty of Engineering & Technology University of Jordan Amman, Jordan
Feb.1989 -	Professor, Electrical Engineering Dept. University of Jordan, Amman, Jordan
Sept.1987 -Sept.1989	Chairman, Electrical Engineering Dept. University of Jordan, Amman, Jordan
1985 -1986	Visiting Associate Professor, Electrical and Computer Engineering Dept., University of Alabama, USA
1985 -1986	Visiting Associate Professor, Electrical and Computer Engineering Dept., University of Victoria, BC, Canada
1984 -1985	Associate Professor, Electrical Engineering Dept. University of Jordan Amman, Jordan
1979 -1984	Assistant Professor, Electrical Engineering Dept. University of Jordan Amman, Jordan
1975 -1979	Teaching and Research Assistant, Electrical and Electronic Engineering Dept. Leeds University, UK
1974 -1975	Apparatus Room Engineer Jordan Television

4. Awards

- Leeds University award for graduate students for three years 1976-1979
- Al-Hijawi Foundation Prizes for best research Paper in information Technology, 1998.

5. Specialization

Communication Techniques, Analog and digital Signal Processing, Microwave Circuits, and Circuits and Systems,

6. Research Interests

- Cellular Communications
- Design of Digital FIR and IIR Filters and Digital Equalizers.
- Digital Image Processing Spectral Estimation.
- Median Filtering and its applications.
- Information Technology

7. Interests

- Accreditation and Quality in higher education
 - The use of IT in higher education
 - Communications industries
 - Engineering Education and Technology Transfer.
 - Higher education developments, and strategic planning.
-

8. Research Fellowships

- Research Fellow, German Academy of Exchange (DAAD) Technical University of Humburg. Summer 1995, Germany.
 - Research Fellow, Telenokia, Helsinki, Finland, summer 1988.
 - Research Fellow, Electrical Engineering Dept., University of Victoria, Victoria, Canada, March-June 1986.
 - Research Fellow, Electrical Engineering Dept., University of Erlangen, West Germany, summer 1985.
 - Visiting Professor, Institute for Physics and Imagines Science, University of Southern California, USC, summer 1983.
 - Research Fellow, German Academy of Exchange (DAAD) Institute of Telecommunications, University of Karlsruhe, summer 1982.
 - Visiting Researcher, EE Dept. Leeds University, England, summer 1981.
-

9. Affiliation and Committes

- IEE, (Institution of Electrical Engineers, UK), Council Representative for Jordan and Gulf States, Oct. 1995-Sept. 1998.
- Senior Member (SM), Institute of Electrical & Electronic engineers (IEEE), New York, USA.
- Fellow (FIEE), Institute of Electrical Engineers, (IEE), United Kingdom.
- Member, Circuits and Systems Society, IEEE, USA.
- Member, Vehicular Technology Society, IEEE, USA.
- Member, Acoustics, Speech, and Signal Processing Society, IEEE, USA.
- Member, Jordan Engineers Association, 1974.
- International interviewer for the IEE membership.
- Member of Prize Committee for the best Ph.D thesis, in the business Awarded by the Ruler of Sharjah 2001.
- Member of Abdul Hamid Showman Prizes (Engineering) Committee. 2002.
- Chairman, of the Board, Center for Consultancy and Technical Services University of Jordan 1989-1993.
- Chairman of the Financial Committee of the Deans Council 1996- 1999, University of Jordan.
- Chairman of the Board, University Housing Council, University of Jordan 1996-1999
- Chairman, University of Jordan Curriculum Committee 1996-1999

- Chairman Faculty of Engineering Curriculum Committee, the Hashemite University, Jordan 1998.
- Member, Faculty of Engineering Building Committee, the Hashemite University, Jordan 1998.
- Member of the Steering Committee, Scientific Week of Jordan, 9/1998
- Member of the Board of Jordan Telecommunications Company, JTC, 1998-1999
- Chairman of the Higher Tender Committee, Jordan Telecommunication Company 1998-1999.
- Member of the national advisory committee for the Telecommunications Regulatory Commission of Jordan 1997-.
- Member of the Employment Committee, Jordan Telecommunication Company 1998-1999.
- Member of the national team for higher education development project(HEDP, World Bank project) 1997-1999
- Member of the selection committee for the Al-Hijawi Foundation prizes 1996.
- Editor, Journal for Science and Technology, SQU 1995-1996.
- Member, Library executive committee, SQU 1994-1996.
- Member, National Committee for Higher Council for Science & Technology Jordan, Energy Group, 1989-1994.
- Member of the Higher Committee for the Accreditation of Private Universities Ministry of Higher Education 1989-1994.
- Member of the Higher Committee for the Accreditation of University Certificates, Ministry of Higher Education 1989-1994.

10. Technical Activities

- General Chairman, Marcusevans Conference “Treasury and Cash Management” Dubai 25-26,2009
- General Chairman, IEEE international conference on Electronics, Circuits and Systems, Dec. 2003, ieeexplore.ieee.org/iel5/9125/28927/x0764562.pdf Sharjah, UAE
- General Program Chairman, Arab Libraries In The Third Millennium Conference, November 5-8, 2001, University of Sharjah, Sharjah, UAE.
- General Program Chairman, Sharjah Solar Energy Conference, February 19-22, 2001, University of Sharjah, Sharjah, UAE.
- General Program Chairman, Plastic & Environment Workshop, March 20-24, 2000, University of Sharjah, Sharjah, UAE.
- General Program Chairman, Scientific Research Outlook in The Arab World and The New Millennium: Sciences & Technology Conference, April 24-26, 2000, University of Sharjah, Sharjah, UAE.
- General Program Chairman, Integrated Desalination and Water Management in Arid Zone symposium, 3rd November 2001, Sharjah, UAE.
- General Program Chairman, Information Technology in Higher Education Workshop, April 10-11, 1999.
- General Chairman, First Communication Conference, SQU-IEE, March 1996.
- Member of Steering Committee of the International Communications, Power, and Computer Conference ICCCP'98, Muscat, Oman
- General Program Chairman, The First Middle East Workshop on Simulation and Modeling, March 1-3, 1999, University of Jordan, Amman, Jordan
- General Conference Chair, Workshop on Information Technology (IT) in Higher Education, Organized Association of Arab Universities and The University of Jordan ,March 6-7, 1999

- General Chairman, 1992 International Renewable Energy Conference, June 1992. University of Jordan (in cooperation with UNESCO).
- Chairman, Technical Committee, Jordan 2nd International Electrical & Electronics engineering Conference, JIEEEEC' 85, April 28-May 1, 1985.
- Adjunct Professor with the Union for experimenting Colleges and Universities, UEUC, Cincinnati, Ohio, USA.
- Conference Secretary, Jordan International Electrical & Electronic Engineering Conference, JIEEC' 85, April 25-28, 1983.
- General Chairman, Maintenance of Lab. Equipment Seminar, Feb. 1989. (In cooperation with UNESCO).
- Technical reviewer, IEEE Transactions on Circuits and Systems, Dirasat, Simulation Magazine (USA), IEE Proceedings on circuits.

11. Brief Description of Experience in programs Development

- Development of the Undergraduate programs at the International University for Science and Technology-Syria 2005-2007.
- Development of the engineering programs for Madaba private University-Jordan, 2005,
- Development of the Undergraduate programs at the University of Sharjah, 1999-2003
- Development of number of graduate programs, 1999-2003
- Development of the University bylaws, University of Sharjah, 1999-2003
- Member of the Foundation Committee for the Arab Academy for science & Technology.
- Development of Master Program in Digital Communications, University of Jordan.
- Development of Undergraduate program Curriculum in Electrical and Electronic Engineering, University of Jordan (Communications, Power, and Computers).
- Development of Undergraduate program Curriculum in Electrical and Electronic engineering, Sultan Qaboos University, Oman. (Communications, Power, and Computers).
- Development of Laboratories in Circuits, Communications, Electronics, and Digital Systems.
- Supervision of a number of projects for B.Sc., and M.Sc degrees. In the field of Signal Processing and Communications.
- Participation in more than twenty national and international conferences.
- Participation in the preparation of a number of technical codes.

12. Teaching Experience: Courses Taught (University of Jordan)

Electrical Circuits

- EE 211 Circuits I (Analysis).
- EE 212 Circuits II (Analysis).
- EE 411 Circuits III (Analysis).
- EE 711 Advanced Circuits (Active).

Electronics

- EE 261 Electronics I (Devices).
- EE 361 Electronics II (Circuits).
- EE 368 Lab.

Digital Desig

- EE 331 Computers (Logic Circuits).
- EE 339 Lab. (Logic).
- EE 731 Logic Circuits (Advanced).

Electromagnetics

- EE 251 Electromagnetics I (First Course).
- EE 351 Electromagnetics II (Course).

Communications and Signal Processing

- EE 321 Communication I (Signals & systems).
- EE 421 Communications II (Modulation Techniques).
- EE 408 Communications Lab.
- EE 521 Communications II (Data Transmission).
- EE 523 Digital Signal Processing (Discrete Signals & Systems, Z- Transform, DFT, FFT).
- EE 724 Digital Signal, Processing (FIR & IIR digital Filters).
- EE 722 Random Signals (Processes, Representations, and Characteristic)
- EE 723 Data Transmission.

13.Tasks Assigned (samples)

Assignment (1)

Name of assignment or project: Criteria for General (Institutional) Accreditation and Specific (Program) Accreditation (Validation) of the Private Jordanian Universities

Year: 1990

Location: Jordan

Client: Ministry of Higher Education – Jordan

Main project features:

Positions held: Member of the Committee charged with assignment

Activities performed: Setting up said criteria and supervision of their implementation

Assignment (2)

Name of assignment or project: Higher Education Reform in Jordan

Year: 1997-1999

Location: Jordan

Client: Ministry of Higher Education, Ministry of Planning, and the World Bank - Jordan

Positions held: Member of the National Committee

Activities performed: Defining the project components
Implementation procedures these include:

- a) Quality assurance
- b) Relevance
- c) Financing
- d) Governance
- e) Human resources

Assignment (3)

Name of assignment or project: Higher Education Sector Strategy for the years 2005 - 2010

Location: Jordan

Client: Ministry of Higher Education and Scientific Research - Jordan

Main project features: Defining the Sector Vision, Mission, and Objectives

Positions held: Chairman of Team charged with assignment.

Activities performed: Preparing all necessary documents for the strategy

The documents include:

1. Vision, Mission, and Objectives
2. Scientific Research
3. Admission and enrolment
4. Financing HE sector
5. Legislation
6. Information Technology
7. Human Resources
8. Quality Assurance
9. Degree Programs.
10. University Administration
11. Relevance
12. University Environment

Assignment (4)

Name of assignment or project: Madaba Private University: Requirement for Licensing by Jordan Ministry of Higher Education(MOHE)

Year: 2004/2005

Location: Jordan

Client: Madaba Private University - Jordan

Positions held: Member of Team charged with assignment.

Activities performed: Preparing all necessary documents for licensing Madaba Private University and submission to MOHE (with subsequent granting of Licensing).

The documents include: Study Plans, Course Description and Curriculum.

1. Faculty Members By-laws and Regulations.
2. Administrative Staff By-laws and Regulations.
3. Financial By-laws and Regulations.
4. Salary Scale and Remuneration By-laws and Regulations.
5. Travel By-laws and Regulations.
6. Purchasing By-laws and Regulations.
7. Academic Research By-laws and Regulations.
8. Scholarship and Training By-laws and Regulations.

Assignment (5)

Name of assignment or project: International University for Science and Technology (IUST): Requirements for Licensing by Syrian Ministry of Higher Education.

Year: 2005

Location: Syria

Client: International University for Science and Technology – Syria.

Positions held: Member of Team charged with assignment

Activities performed: Preparing all necessary documents for Licensing IUST in the Governorate of Dera'a – Syria and submission to Syrian MOHE (with subsequent granting of licensing).

The documents include:

1. Study Plans, Course Description and Curriculum.
2. Faculty Members By-laws and Regulations.
3. Administrative Staff By-laws and Regulations
4. Financial By-laws and Regulations.
5. Purchasing By-laws and Regulations.

Assignment (6)

Name of assignment: Conducting a Comparative Study on Existing Management Structures at Tertiary Education Institutions with the Aim of Improving Their Governance and Management.

Year: 2007

Location: West Bank and Gaza Strip

Client: Ministry of Higher Education in Palestine

Main project features

Position held

Activities performed

Team Member

Preparing all necessary documents and presentations and conducting field visits. The documents include:

- a) Background, Objectives, Methodology, Technical Approach and Action Plan.
- b) Analytical Assessment of Current Management Structures and Governance.
- c) GAP Analysis
- d) Management Structures
- e) Proposed Organizational Framework for Governance and Management.
- f) HEI Governance, Management and Organizational Proposed Framework.
- g) Financial System, Strategic Planning and Program Planning.

Assignment (7)

Name of assignment: Fujairah College Development

Year: 2007

Location: UAE

Client: Fujairah College

Main project features

Position held: Team Leader

Activities performed

- a. Analyzing the current status of the College
- b. Providing advice for partnership development
- c. Restructuring the organizational structure
- d. Providing suggestion for enhancing the current programs

Assignment (8)

Name of assignment: Qasoon University for Science and Technology:
Requirements for Licensing by Syrian Ministry of Higher
Education

Year: 2008

Location: Syria

Client: Qasoon University for Science and Technology – Syria

Main project features

Position held: Member of Team charged with assignment

Activities performed Preparing all necessary documents for licensing IUST in the governorate of Dera'a – Syria and submission to Syrian MOHE (with subsequent granting of licensing). These documents include:

- (a) Study Plans, Course Description and Curriculum
- (b) Faculty Members Bylaws and Regulations
- (c) Administrative Staff Bylaws and Regulations
- (d) Financial Bylaws and Regulations
- (e) Purchasing Bylaws and Regulation

14. Publications

1. J. D. Rhodes and I. H. Zabalawi. "Design of Selective Linear Phase Filters with Equiripple Amplitude Characteristic", IEEE Trans., on Circuits and Systems, Vol. CAS-25, pp. 989-1000, Dec. 1978.
2. J. D. Rhodes and I. H. Zabalawi. "Synthesis of Symmetrical Dual Mode In-line Prototype Networks". International Journal of Circuit Theory and its Applications, Vol. 8, pp. 145-160, 1980.
3. I. H. Zabalawi, "Cascade Synthesis of Linear Phase Selective Filters", IEE Trans. on Circuits and Systems, CAS-28, pp. 843-846, Aug. 1981.
4. H. Zabalawi, "Filters approximating Ideal Amplitude with Equiripple Phase Characteristics", Proceedings of the International Symposium on Circuits and Systems, ISCAS, pp. 1120-122, May 1982.

5. H. Zabalawi, "Troposcatter Loss Prediction", International IEEE/APS Symposium Proceedings, May 1982.
6. J. D. Rhodes and I. H. Zabalawi. "Selective Linear Phase Filters possessing a Pair of J-axis Transmission Zeros", International Journal of Circuit Theory and its Applications, Vol. 10, No. 3, pp. 251-263, July 1982.
7. I. H. Zabalawi, "Microwave Printed Circuit Linear Phase Selective Filters", Proceedings of IEEE, Vol. 70, No. 7 pp. 767-769, July 1982.
8. I. H. Zabalawi, "Lowpass Prototype Elliptic Function for TV. Transmission", International Journal of Circuit Theory and its Applications, Vol. 10, No. 3, pp. 292-297, July 1982.
9. I. H. Zabalawi, "Design of Linear Phase Selective Comb-Line Filters". IEEE Trans. on Microwave Theory & Techniques, Vol. MTT-30, No. 8, pp. 1224-1228, Aug. 1982.
10. I. H. Zabalawi, "Filters Approximating Ideal Amplitude with Equiripple Phase Characteristics", DIRASAT, University of Jordan, Natural Sciences Journal, pp. 137-155, Dec. 1982
11. I. H. Zabalawi, "Transformed Variable Synthesis of Symmetrical Non-Minimum Phase Filters", Proceedings of the Jordan International Electrical & Electronic Engineering Conference, JIEEE' 83, pp. 318-322, April 1983.
12. I. H. Zabalawi, "Troposcatter Transmission Loss Prediction", DIRASAT, University of Jordan, Scientific Journal, Vol. X, pp. 149-165, June 1983.
13. I.H. Zabalawi and W. Stehle, "Design of Flat Group Delay Filters with prescribed amplitude Characteristics", IEEE 27th Midwest Symposium on Circuits and Systems, pp. 599-602, June 10-12, 1984.
14. I.H. Zabalawi, "Single mode Direct Coupled Cavity Quasi-Elliptic linear phase microwave Filter", proceedings of the Jordan International Electrical & Electronic Engineering Conference, JIEEE, 85, pp. 421-424, April 28-May 1, 1985.
15. I.H. Zabalawi, "On the Theory of Cascade Synthesis of Non minimum phase Doubly Terminated Selective networks", Technical Report, Electrical Engineering Dept., Faculty of Engineering & Technology, university of Jordan.
16. I.H. Zabalawi, "A Generalized Chebyshev Channeling Filters", International Journal of circuit Theory and its Applications, Vol. 13, No. 1, pp. 37-45, 1985.
17. I.H. Zabalawi and S. Alsyebe, "Wave Digital Filters with Generalized Chebyshev Amplitude Characteristics", DIRAAASAT, University of Jordan, Scientific journal, Vol. XIII, pp. 149-162, Oct. 1986.
18. I.H. Zabalawi, "Selective Filters with Finite Transmission Zeros and Arbitrary Phase Characteristics", DIRASAT, University of Jordan, Scientific Journal, Vol. XIII, pp. 163-174, Oct. 1986.
19. I.H. Zabalawi, "Hardware Implementation of Recursive Digital Filters", First national Conference on Computers and its Applications, Nov. 1986, Amman Jordan.
20. I.H. Zabalawi, "Non-minimum phase Recursive Digital Filters", Trans. of ntzArchiv Zeitschrift fur Informationstechnik, Bd. 9 (1987) H.6, pp. 139-146.
21. M. K. Abdelazeez, M. Maqusi, B. Kahhaleh, and I. H. Zabalawi, "A Proposed Educational Network Using Space Telecommunications", Proceedings of the ARABSAT Symposium, 29 Sept.-1 Oct., 1987, pp. 49-58.
22. I.H. Zabalawi and B. K. Kahhaleh, "Arbitrary Phase Polynomials for Sampled-Data Systems", IEEE Trans. on Circuits and Systems, Vol. 36, No. 1, pp. 132-133, June. 1988.
23. I.H. Zabalawi and B. Z. Kahhaleh, "Design of Recursive Digital of Recursive Digital Filters with Prescribed Amplitude and Delay Characteristics". Int. Journal of Electronics, 1988, Vol. 64, No. 2, pp. 219-228.
24. M. Dakkah and I.H. Zabalawi, "Adaptive Segmentation Technique of EEG Signals", 31st Midwest Symposium on Circuits and Systems, pp. 79-82, Aug. 1988.
25. I.H. Zabalawi, "Suspended Substrate Strip Line Filters With Flat Delay", Proceedings, 1988 IEEE International Symposium on Circuits and Systems, pp. 2777-2780.

26. I.H. Zabalawi and M. J. Mismar, "Chebyshev Approximation for Linear Phase Non recursive Digital Filters", *Int. Journal of electronics* 1988, Vol. 65, No. 5, pp. 989-997.
27. I.H. Zabalawi, "Design of Flat-Group Delay IIR Filters With Prescribed Amplitude Characteristics", *Proceedings, 1988 IEEE International Symposium on Circuits and Systems*, pp. 2493-2496.
28. I.H. Zabalawi and M. J. Mismar, "Design of FIR Arbitrary Phase Filters with Prescribed Amplitude Specifications", *Eurocon 88, 8th European Conference on Electrotechnics, Area Communications*, pp. 134-137, June 1988.
29. I.H. Zabalawi, "Delay Equalization of Recursive Digital Filters", *Linear Circuits Systems and Signal Processing: Theory and Applications*, North-Holland, pp. 225-230, 1989.
30. I.H. Zabalawi and M. J. Mismar, "Amplitude Equalization of Recursive Digital Filters", *31st Midwest Symposium on Circuits and Systems*, pp. 429-432, Aug. 1988.
31. I.H. Zabalawi and B. Z. Kahhleh, "Phase (Delay) Equalization of Recursive Digital Filters", *Int. Journal of Electronics*, Vol. 66, No. 1, pp. 121-133, Jun. 1989.
32. I.H. Zabalawi, Adnan I. O. Zaid, and S. A. Sayed, "Research & Development Planning", *Seminar The Arab School Science & Technology, Planning Research & Development*, July 14-20, 1990, Damascus, Syria.
33. M. Daquah and I.H. Zabalawi, "Power Estimation Method Based on Burg's Algorithm", *Communication, Control, and Signal Processing*, Elsevier Science Publisher B. V., pp. 1583-1590.
34. I.H. Zabalawi, Adnan I. O. Zaid, and S. A. Sayed, "The Role of the Universities and Scientific Research Institutes in the Understanding of Technology", (in Arabic), *Proceedings*.
35. I.H. Zabalawi, "Complex Coefficients IIR Digital Filters", *1991 IEEE International Symposium on Circuits and Systems (ISCAS)*, Singapore, June 1991.
36. I.H. Zabalawi, A. K. Saadeh, "Two Dimensional Median Filter for Image Processing", *Ninth Kobe International Symposium on electronics and Information Sciences*, Japan, June 19, 199.
37. I.H. Zabalawi, & A. Z. Kilani, "The Structure of the Scientific Research Establishments", *Seminar Union of Arab Councils for Scientific Research*, Oct. 7-10, 1991.
38. I.H. Zabalawi, A. O. S'adah Y. Nuevo, "Two-Dimensional FMH Filters for Image Processing", *Accepted for Publication, International Conference on Signal Processing and Applications Technology*, 2-5 Nov. 1992, Cambridge, USA.
39. A. Zaid and I. Zabalawi, "Promoting Research and Development in Renewable Energy in Developing Countries and the role of Universities", *Solar Energy Commercialization*, *Int. Seminar, RSS Publication*, pp. 213-222, 1992.
40. I.H. Zabalawi, M. M. Daquah, "An AI Noise-Free Power Estimation Method in Maximum Entropy SpectrAnalysis", *Journal of King Abdulaziz University Engineering Sci. JKAU: Eng. Sci*, Vol. 5. pp. 45-49 (1413 A. H. / 1993 A. D.).
41. M. J. Mismar & I.H. Zabalawi, "Complex Coefficient FIR Digital Filters", *Accepted for Publication, International Journal of Circuits, Systems and Signal Processing*.
42. M. J. Mismar & I.H. Zabalawi, "Two Dimensional FIR Digital Filters", *DIRASAT*, Vol. 22B, No. 2, 1995, pp. 559-577 Jordan.
43. I.H. Zabalawi and S. Al-Ojami, "Design and Engineering Cur", *Regional Workshop on New Approaches to Engineering Education*, Al-Ain, UAE, April 2-4, 1995.
44. I. El-Naqa, M. Mismar, and I.H. Zabalawi, "Estimation of Coronary Artery Dimensions by Median Filtering Approach" *IEICE Transactions on Fundamentals of electronics, Communications and Computer Sciences*, Vol. E79-A, No. 7 July 1996, pp. 1034-1043.
45. A. Ali and I.H. Zabalawi, "Optimum Selection of RS and BCH codes for FHMA-SS Communication Systems:", *Accepted, Second Annual International Conference on electronics, Circuits, and Systems*, Dec. 18-21, 1995, Amman-Jordan.

46. J. Jervase and I.H. Zabalawi, "Synthesis of a Uniformly Spaced Linear Array With Equal Phase and Symmetric Amplitude Excitation by a Least-Squares Approach", Submitted, IEE Proceeding, Microwaves, Antennas, and Propagation, April, 1995.
47. D. Shqair, I.H. Zabalawi, and M. Mismar, "Adaptive FIR Filtering for Frequency Estimation of Sinusoids in Uncorrelated Noise", IEE Proceedings, First Communications Conference, Muscat, Oman, March 11-13, 1996, pp. 178-184.
48. A. Ahmad, A. Al-Lawati, J. Jervase, I.H. Zabalawi, "The Study of The Rotationally Delayed Transmission of Data On Error Masking Behavior of a Data Compression Function", IEE Proceedings, First Communications Conference, Muscat, Oman, March 11-13, 1996, pp. 34-44.
49. I. Shdaifat, B. Kahhaleh, S. Odeh, I.H. Zabalawi, "On-line Rank Order Filtering, Median Filtering, and Data Sorting Architecture's" Proceedings IEEE South Eastcon, 98 Orlando. U.S.A. pp. 114-117 April 1998.
50. I.H. Zabalawi, M. Majdoubeh, N. Santarici "TQM in Higher Education" Arab Regional Conference On Higher Education, UNSECO-Beirut, 2-5 March 1998.
51. 1. S. Odeh, S. Smeriat, B. Kahhaleh, I.H. Zabalawi, "Two-Dimensional Digital Signal Processor for Image Processing" Submitted for Publication.
52. I. Shdaifat, B. Kahhaleh, S. Odeh, I.H. Zabalawi, "Highly Parallel Architecture for Standard Median, Weighted Median, and Rank Order Filtering" Submitted for Publication.
53. S. Odeh, S. Smeriat, B. Kahhaleh, I.H. Zabalawi, "A Fast Weighted Median Filter Architecture for Image Processing" Submitted for Publication.
54. I. H. Zabalawi, M. Bettayeb, "Impact of Internet on Higher Education", Scientific and Technological Entrepreneurship in Universities and Research Institutes, Beirut, 11-12, Nov 2000.
55. I. H. Zabalawi, "Academic Freedom & Gender Equities", UOS, Shajah, UOS, 25-26 Nov. 2000.
56. I. H. Zabalawi, e-Leadership "Leading the Net Economy", Emirates International Forum, Dubai, UAE, 28 Feb-1 March 2001.
57. I. Zabalawi, Ibrahim Najjar "Bilingual Higher Education in UAE: The Case of the University of Sharjah," Higher Education in the Arab World: Preparing for the Global Marketplace, Marrakech, Morocco, 13-15 March, 2002.
58. I. H. Zabalawi, M. Bettayeb, "Perspective of Engineering Education at the Start of the New Millennium", The Changing Rule of Engineering Education in the Information Age: Innovation and Tradition, UOS, Sharjah, UAE, 26 April 2001.
59. Nabil Kallas, I. Zabalawi, "The Advocacy of Establishing a GCC Engineering Accreditation Board," Accepted for publication and presentation at the Sixth Saudi Engineering Conference, 14-17 December, 2002, Dhahran, Saudi Arabia, 21-23 Oct. 2002.
60. Nabil Kallas, I. Zabalawi, "A Creative Approach for a Rapid Establishment of Successful Engineering Programs," International Conference on Engineering Education, 18-21 August, 2002, UMIST, Manchester, UK, pp. 288:1-5, 18-21 August 2002.
61. د. عصام زعبلاوي "استراتيجيات تكنولوجيا المعلومات والاتصالات في التعليم العالي في الأردن" الندوة العلمية الثامنة "التعليم المعلوماتي في سبيل مجتمع أكثر معرفة" اللاذقية / 24 - 25 شباط 2007
62. د. عصام زعبلاوي "التعليم الهندسي ومهندس 2020" المؤتمر الهندسي العربي الرابع والعشرون "التعليم الهندسي في الوطن العربي بين الواقع والطموح اتحاد المهندسين العرب 14-16 أيار/ 2007 عمان - الأردن
63. د. عصام زعبلاوي " دور الجامعات في التنمية السياسيـه" الملتقى الأول للشباب حول التنمية السياسية 2004/5/8 عمان -الأردن
64. د.عصام زعبلاوي "التعليم العالي و أسس سياسات القبول" الندوة الوطنية لتطوير سياسة القبول الجامعي جامعة البعث 18 و 19 آذار 2007—سوريا
65. د. عصام زعبلاوي " نظم المعلومات الإدارية وأهميتها في دعم القرار: مقترح لبناء بوابة إلكترونية للتعليم العالي العربي: دراسة التجربة الأردنية" الملتقى العربي الثاني للتربية والتعليم ببيروت 28 / 9 - 1 / 10 / 2005

66. I. Zabalawi "The Digital Revolution and its impacts on Higher Education" the First Knowledge Conference, Dubai, 28-29 October 2007.
67. I. Zabalawi " Building Tomorrow's Electrical Engineers" The Fifth International Multi Conference on Systems, Signals and Devices, IEEE SSD'8, 20-23 July 2008, Amman-Jordan (Keynote speaker)
68. I. H. Zabalawi "Jordan Higher Education: Graduates Attributes, Employability and Reform " World International Conference on Education (WICE-2010), Amman-Jordan

69. أ.د. عصام زعلوي " نظرة على التعليم العالي وكفايات المتخرج "

15. Books

Arabic Translation of R. J. Smith, Circuits, Devices and Systems, Third Edition, 1986 (Co-translator) 907 pages.

16. M.Sc Theses Supervised

1. Performance of Certain Data Compression Techniques in Digital Image Processing, 1986.
2. Design of All-pass Digital Networks for Group Delay Equalization, 1987
3. Amplitude Equalization of Recursive Digital Filters, 1989.
4. Computerized EEG Analysis, 1986.
5. Implementation of IIR Digital Filter Based on Residue Number System Arithmetic, 1989.
6. Frequency Hopping Multiple Access Spread Spectrum Communication Systems, 1990.
7. Non-Linear Digital Filters for Image Restoration, 1991.
8. Design of Digital Signal Processing board using TMS32020 Microprocessor, 1993.
9. Adaptive Digital Notch Filters, 1993.
10. Design of Recursive Complex Digital Filter, 1995.
11. Design of Complex Digital All-pass Networks 1995.
12. Two-dimensional Recursive Digital Filters 1995.
13. Estimation of Coronary Artery Dimensions 1995.
14. BER Analysis of Slow Flat Fading Channels. 1998
15. Optimization of Dynamic Channel Assignment in Mobile Cellular Systems Based on Neural Network Models
16. CO-Channel Interference Effects In Cellular Communication Systems
17. Representation and Processing of EEG Signals Using ARMA Model.
18. Estimation of Coronary Artery Dimensions by Stack Filtering Approach.