



CURRICULUM VITAE(C.V)

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PERSONAL DATA

Nationality: Jordanian

Date of Birth: January 22, 1972

Place of Birth: Zubya/Irbid, Jordan

Brief Biography

Dr.Yousef Daradkeh is as a Senior Lecture and Researcher in the Department of Computer Information Systems at the faculty of Systems and Information Technology, [The University of Jordan \(JU\)](#), since 2011, and has worked of the Intelligent Software Systems Laboratory in the Department of Electrical and Computer Engineering, Schulich School of Engineering, [University of Calgary \(UC\)](#), **Canada**, in 2007-2009, He received his B.Sc. degree in Computer Science and Engineering from the (TUM) specializations in Computer's, Information Systems and Networks in 2000, and his M.S. degree in Software Engineering from the (BNTU) specializations in Software of Information Technology in 2003, and his Ph.D. degree in Computer Engineering and Information Technology from the (BSUIR), National Academy of Sciences of Belarus (NASB) in two specializations: 05.13.01 System Analysis, Control and Processing of Information; 05.13.11 "Mathematical and Software of Computers, Complexes and Computer Networks, in 2006. He has been working as a Post-Doctoral Research Fellow in the Department of Electrical and Computer Engineering, Specialty Systems, Networks and Devices of Telecommunications, Adjunct Faculty, and Research Associate Faculty at the University of Calgary between 2007-2009. He has worked in the Department of Information Technology at the [Al-Balqa Applied University](#) between 2006-2007, and has worked in the Computer and Information Centre at the [Jordan University of Science and Technology \(JUST\)](#) in 2007, and He has worked An Instructor, Computer and Information Centre, [Yarmouk University \(YU\)](#) in 1997, and has worked of the Department of Computer Engineering and Computer Science at the faculty of Engineering and Information Technology, [AL-Hussein Bin Talal University \(AHU\)](#), since 2009. and has worked of the Department of Software Engineering at the faculty of Sciences and Information Technology, [Jadara University \(JU\)](#), since 2010. Dr. Daradkeh is the founder of the Intelligent Resource Management for Wireless Network Services and Resource Allocation in Wireless Networking Research Laboratory in the Department of Electrical and Computer Engineering, University of Calgary (Canada), He has an excellent experience in designing courses that bridge the gap between academia and industry as well as follow the accreditation requirements. He has more than 40 published researches in the areas of Wireless Networking, Artificial Intelligence, Web Development, Java Programming Language, Databases, Agent-Based Software Engineering, Context aware computing, and Problems of cyber-security, Problems of information and economic security, LBS and geo services, Knowledge representation and reasoning, E-learning, E-government applications and its usage impact. Among other projects, His research interests are based on how the digital can impact the human daily life and how computers and networks can help to deal with information overload.

SUMMARY

Corresponding on scientific theoretical and practical background, I have gotten an experience in dealing with different facts and theorems. Depending on my ambition and activity, I am insisting to satisfy my plans in the future.

EDUCATION

- **International Visiting Research Fellow** in the School of Engineering and Advanced Technology at Massey University (MU), **New Zealand**, in 2011.
- **Post-Doctoral Research Fellow in Computer Science and Engineering**, University of New South Wales, **Australia**, 2010.
- **Post-Doctoral Research Fellow in Specialization in Systems, Networks and Devices of Telecommunications**, **University of Calgary, Canada, 2007-2010.**
- **Ph.D. Candidate Examinations on specialties of Computer Engineering and Information Technology** at the Department of Information Technologies of the Automated Systems of the Belarusian State University of Informatics and Radio electronics.
- **Ph.D. in Computer Engineering and Information Technology, Belarusian State University of Informatics and Radio electronics, 2006.**
 - **Dissertation Title:** Interpretation of Polymorphous Networks Models in Real-Time Allocation Systems.
- **MSc. Courses of Specialization Software of Information Technologies** at the Faculty of Information Technologies and Robotics Belarusian National Technical University, 2002-2003.
- **MSc. in Software Engineering, Belarusian National Technical University, 2003.**
 - **Thesis Title:** Mathematical and Software of optimization of models of operations of the power equipment.
- **B.Sc. in Computer Engineering, Specialization in Computer's, Information Systems and Networks, Technical University of Moldova, 2000.**
 - **The Graduation Project:** Device for Transcendent Functions Calculation.

Major: **Software Engineering and Advanced Information Technology Processing Systems.**

LANGUAGES

- **Arabic: native language, English: fluent, Russian, Romanian and Bulgarian.**

CERTIFICATES

- August 30, 2001. Certificate of English Language (CEL) iBT, AMIDEAST, Jordan.
- 1993-2006. Certificate of Romanian Language and Russian Language (CRL), TUM, BNTU and BSUIR.
- July15, 1999. Certificate of Appreciation (CA), Ministry of Youth and Sport, Jordan.
- October, 1999. Polaris. Sat Services & Technical Services Certificate of Attendance (PSSTSSCA).
- October, 2008. Care Services Certificate of Appreciation (CSCA), University of Calgary, Canada.
- October, 2008. Faculty Teaching Certificate (FTC), Teaching & Learning Centre, University of Calgary.
- December, 2008. Care Services Certificate of Appreciation (CSCA), University of Calgary, Canada.
- July, 2011. Management Professional, Certificate of Appreciation (MPSCA), Microsoft, Excellent Train, Jordan.
- July, 2011. IT Management Professional, Certificate of Appreciation (ITMPSCA), excellent train, Jordan.
- January 15 to February 6, 2012. Staff Development Workshops Certificate of Appreciation (SDWCA), Center for Educational Development, the University of Jordan.

RESEARCH INTERESTS

Dr. Yousef Daradkeh principal research interests concern the general area of Classical and Non-Classical Computing (Logic, Software Design, Model-Based Testing and Agents), and Hardware) with applications to all Applied Mathematics of development of methods and means of effective implementation of the software of control systems of the discrete flow processes including phases of planning in sped up and modification in a real-time regime, Object of researches of the present work is the software of control systems of objects with discrete character of behavior and technology of its development. A subject of research-methods of formalization and implementation of processes of search of optimum solutions and coordination in opened at a level of the purpose of control cooperating systems on the basis of hierarchy of patterns of polymorphous classes, focusing on the solution of large sparse systems, implementation of parallel algorithms on a cluster computer, I adapted a model in Networks Protection Dynamics and statistics Interesting preliminary results are already achieved. Future experimental work is needed to support this model. Observed problems of construction of patterns of classes of optimization of control on transition networks. The level of base classes thus matches to problems of search of the shortest ways on graphs. Unlike classical problems of such aspect, here is supposed separation of models of structure of a network and process of moving. Also, I am involved in two research groups, Formal Circuits Installation commendation Oil-Naftan, (Games (Decisions) and Learning) aspects of Modeling and optimization of management by Discrete Processes in Real-Time. The results of his research are currently documented in more than 15 publications in international, specialized, refereed, indexed, and cited (high impact factor) journals, conferences, technical reports, and in a pending patent, that have led to numerous paper citations. His research tends to be about equally divided between theoretical and applied that includes the following areas:

- Parallel & Distributed Applications/Algorithms.
- Optimization of Communication Networks.
- Problems of information and economic security.
- Information Security.
- Microprocessor System Design.
- Advanced Database Applications, Engineering Approaches for Grid Applications.
- Development of Software design & implementation.
- Agent-Based Software Engineering.
- Java programming language
- Applied Artificial Intelligence and Neural Networks.
- Advanced Web and Proxy Services.
- Software Frameworks and Middleware P.S.

RESEARCH DESIGN:

The goal of the research is a method to be used by practitioners and researchers to plan advances in computer technology, some of the issues treated in the earlier work are no longer of major concern. These are deemphasized in this research, while several relevant new topics have been included. New examples serve to illustrate further how the theory can be applied to the type of problems that commonly occur in industry and research. As such, a means of describing the method is required, are under consideration. I want to contribute my abilities as a software and hardware developer through the design and testing of new software tools and application.

TECHNICAL REVIEWER FOR JOURNALS AND CONFERENCES

- Reviewed many international conferences articles
- Reviewed many international journals articles
- Presented my research articles in international conferences

COURSES TAUGHT

Dr. Yousef Daradkeh is involved in teaching several classes in the broad interrelated areas of Computer Engineering, Computer Science, Information Technology, Applied Mathematics, and Physics. Major classical and contemporary textbooks and references in these fields are extensively used. All of these classes include both theoretical (fundamental) and practical (laboratory) parts. Five years of professional work in teaching undergraduate and graduate Computer Science, Software Engineering, Computer Engineering, and Information Technology courses. These courses include:

* <i>Computer systems:</i>	* <i>Information Technology Officer:</i>
<ul style="list-style-type: none"> ❖ Operation systems ❖ Topics in computer systems ❖ Topics in software engineering ❖ Computer networks ❖ Software Engineering ❖ Advanced computer Architecture ❖ Requirement specification & Design ❖ Software design & implementation ❖ Software engineering Environment ❖ Programming languages processors 	<ul style="list-style-type: none"> ❖ Applications & analyst programmer ❖ Computer system Auditor ❖ Computer professionals ❖ Software designer ❖ Systems designer ❖ Systems Manager ❖ Systems Programmer
* <i>Applications : CISC :</i>	
<ul style="list-style-type: none"> ❖ Logic Based information Modeling ❖ Office information Systems. ❖ Data base Models ❖ Data base Management systems ❖ Topics information systems ❖ Topics in computer applications & Algorithms ❖ Computation Vision ❖ Robotic systems ❖ Artificial intelligence 	<ul style="list-style-type: none"> ❖ Computer Graphics ❖ Robotic Systems ❖ Artificial intelligence ❖ Image processing ❖ Pattern Recognition ❖ Knowledge Representation ❖ Topics in Robotic & Perception ❖ Data mining ❖ Foundations of Neural Networks

- Organizing different training courses in Computers and their Applications.
- Supervision of several graduate and undergraduate projects in Computer Engineering, Computer Science, Information Technology. Supervision of Master thesis in CE, CS, IT.

CURRICULUMS AND COURSES DEVELOPMENT

- Curriculum development of Computer Information Systems Department (2011)
- Curriculum development of Software Engineering Department (2008)
- the founder of the Intelligent Resource Management for Wireless Network Services and Resource Allocation in Wireless Networking Research Laboratory in the Department of Electrical and Computer Engineering, University of Calgary (Canada 2009)
- Protected of the Information Course (Department of Software Engineering at JU on Fall 2010).

PROFILE

- Expert in the areas of E/M-learning Systems, Information and Communication Technology in Education Systems, Computer-based Instructional Design and Implementation, Program and Project Development and Management, Agent-Based Software Engineering, Telecom and mobile services, LBS and geo services, and Database Design and Management.

SPECIAL QUALIFICATIONS

- **LANGUAGES:** Java, JavaScript, C++/C, Perl, SQL, SQLWindows, Visual Basic, Prolog, Lisp, C#.
- **DATABASES:** Oracle, MS SQL server, Gupta SQL server, Sybase, Ingress, MS Access, Btrieve, xBase, OR-mapping systems (Toplink, Hybernate).
- **TOOLS:** CORBA (Visibroker, OrbixWeb, Iona, CORBA services), SUN JDK, J2EE, Java Beans, J2ME, Java Cards, Web services, JDBC, RMI, Visual Cafe, JBuilder, PowerJ, Oracle Java suite, Visual Age, WebLogic, MS Visual C++, Borland C++ Builder, Rational Rose, Visual Basic, FrontPage, ERWin, UML, Booch.
- **APPLICATION SERVERS & CONTAINERS:** WebLogic, WebSphere, JBoss, Orion, Oracle AS, SilverStream, Borland Application Server, JRun, Resin, Tomcat.
- **NETWORKS:** TCP/IP networks, NetWare, Microsoft Windows Networks.
- **WIRELESS:** WAP/WML, J2ME, Java Cards
- **INTERNET:** Netscape Enterprise Server, Apache, MS IIS, Web portals (WebLogic, WebSphere).
- **OPERATING SYSTEMS:** Windows 9x, Windows 2000, Windows XP, UNIX (Solaris, SCO, SunOS, Linux, AIX, HP-UX), Netware, Windows 3.x, MS DOS.
- **ARTIFICIAL INTELLIGENCE:** Trading Systems / Technical Analysis for Stocks and Applied Mathematics (Discrete Simulation, Applied Statistics).
- **HARDWARE:** IBM PC, SUN, HP, IBM RS 6000, mainframes, supercomputers.

PROFESSIONAL CAREE

- Dr. Yousef Daradkeh , Chief Information Officer (CIO) "ES INFECO"
- Head of Unit of Student Affairs, SAU
- Unit educational services coordinator, SAU
- Research Unit Coordinator and Information Technology, SAU
- Unit Coordinator of Community Service
- College recorder
- Coordinator of Quality and Development member
- Supervisor on exams
- academic advisor
- coordinator at the Sixth Scientific Conference
- Coordinator of Information and Statistics
- College Coordinator, SAU
- 2010: Assistant Professor. Department of Software Engineering, Sciences and IT Faculty, Jadara University, Jordan.
- Supervisor of Internet and Computer Club, Jadara University, Jordan.
- 2009-2010: Assistant Professor. Department of Computer Engineering and Computer Science, Engineering and Information Technology Faculty, AL-Hussein Bin Talal University, Jordan.
- 2009: Associate Research. Department of Computer Science and Engineering, University of New South Wales, Australia.
- 2009: Associate Researcher. Faculty of Computational Mathematics and Cybernetics, Moscow State University, Russian.
- 2008: Associate Research. Department of Electrical and Computer Engineering, University of Calgary, Canada.
- 2008- Post-Doctoral Research Fellow. Electrical and Computer Engineering Department, University of Calgary, Canada.
- 2007- Vice-Director of the Intelligent Software Systems Laboratory of Faculty of Engineering, University of Calgary, Canada.
- 2007- Dr. Computer and Information Centre, Jordan University of Science and Technology.
- 2006-2007: Lecture, Department of Information Technology. Al Balqa Applied University.
- 2002-2006: Assistant Research, Department of Information Technologies and Automatic Systems Department, Belarusian State University of Informatics and Radio Electronics.
- 1997- An Instructor, Computer and Information Centre, Yarmouk University.
- 2000- Manager, Aghader Travel Tourism and Rent A car, Adubadi - **U.E.A**

MEMBERSHIP IN ACADEMIC & SCIENTIFIC ORGANIZATIONS & COMMITTEES:

- 2002-present: Member of Jordan Engineers Association.
- 2007-2009: Department of Computer Engineering Board, University of Calgary, Canada.
- 2007-2009: Member of Scientific Research committee, University of Calgary, Canada.
- 2010-present: Fellow Member of the Jordan Computer Society.
- 2010-present: Member of Engineers Communication Jordan and Computer Jordanian Society.
- 2010-present: Member of Engineers Electrical Contracting Jordanian Society.
- 2010-present: Member of Engineers Powers Jordanian Society.
- 2010-present: Member of the Jordanian Society for Medical Engineering.
- 2010-present: Member of the Jordanian Society of Electrical Consulting Engineers.
- A member of the Software Engineering Research Group (SERG).
- A member of the “Undergraduate Studies” committee.
- A member of the Jadara University council, Representative, faculty of Sciences and Information Technology.
- A member of the Department of Software Engineering, faculty of Sciences and IT, Jadara University.
- A member of the Committee on Student Discipline, faculty of Sciences and IT, Jadara University.
- A member of the Jordanian Society for the Prevention of Road Traffic (Public Safety).
- A member of the Jordanian Aqaba Society of Astronomy.
- A member of the Jordan Society for Scientific Research (JSSR).
- A member of the scientific research portal of information and economic security ES INFECO
 - Council of Department of Electrical Engineering
 - Chairman of the Affairs Students
 - A member of the Unit for Development and Quality
 - Chairman of the Research Unit and Information Technology
 - Coordinator of the Information & Statistics Unit
 - Coordinator of the Conference for Students
 - Coordinator of the Cultural Day
 - A member of the Academic Advising
 - Supervisor of the Examinations at the College of Engineering, KSA.
 - Coordinator of the Educational Services at the College of Engineering, KSA.
 - Registered faculty in the College of Engineering, KSA.
- Member in Other several internal and external committees.

TECHNICAL SKILLS & ATTRIBUTES

Professional Skills

- Research and analysis skills
 - Excellent interpersonal and communication skills
 - Ability to work in a team and unsupervised
 - Independent problem solving
 - Project and time management
 - Ability to work under pressure and meet deadlines
 - Ability to accomplish multiple tasks accurately and timely
 - Enthusiasm and passion for work with all people
 - Reliability and great attention to details
 - Well organized and creative
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- He as acting of Co-supervises in undergraduate and postgraduate researches and proving Practical Training to students as a requirement for their graduation.

Computer Skills

- Platforms/ Operating Systems: Windows 9X, Windows NT, Windows 2000, Unix
- Programming languages: C, C++, Java, J Script, CGI, & Mat lab
- Hardware description language: VHDL
- Database Management System: Oracle

BIPROFESSIONAL ACTIVITIES

- **Consulting: Software testing and quality assurance.**
- **Object-oriented Analysis and Design with the UML.**
- Conference and Journal Services.
- Software Design and Development.
- Websites and Web Applications.
- Membership in Associations/ Societies.

CONFERENCES, SYMPOSIUMS AND WORKSHOPS:

- Workshop “Social Networking in the Academy”, a panel discussion on the emerging use and application of social networking software in the academic environment Development, University of Calgary, Canada, 2008.
- Development of Research Outreach Program for Post-Doctoral Research Fellows with time-efficient, intense training in effective communication, Develop a brief presentation outlining their research in understanding and compelling ways, Develop research profile for inclusion on the Research Services website., University of Calgary, Canada, 2008.
- Workshop “Blackboard Essentials”, hands-on workshop walks participants through the basics of these institutionally-supported course management systems, University of Calgary, Canada, 2008.
- Workshop “The Instructional Skills Workshops”, for a total of 12 hours during the period of sept.2 to sept.5 in the Teaching and Learning Centre, University of Calgary, Canada, 2008.
- Workshop “Teaching in Canadian Classrooms”, during the period of November 1, 8, 15, 22, 29 in the Teaching and Learning Centre, University of Calgary, Canada, 2008.
- Conference “National Tempus office Jordan” Under the patronage of His Excellency the Minister of Higher Education & Scientific Research, and His Excellency Ambassador/Head of Delegation of the European union to Jordan, Jordan-European union Higher Education Cooperation Day”, Wednesday, 15th, December 2010, University of Jordan, Amman, Jordan.
- Attend a seminar entitled "Quality Assurance in Higher Education" Jordan Society for Scientific Research (JSSR), Amman, Jordan 30 May, 2012.
- Attend a lecture President of the Accreditation Commission of Higher Education entitled: "Quality assurance and competitive universities "Jordan Society for Scientific Research (JSSR) Amman, Jordan 26 Sept, 2012.

SCIENTIFIC LECTURES AND SEMINARS CONDUCTED

1. Invited Speaker, “Detection of Computer Attacks on the Analysis of Behavior of Network Objects,” Seminar at Electrical Engineering Department, University of Calgary, Canada (October 2008)
2. “Development of an Estimation Method for Throughput of a Multi-services Communication Network with Repeated Calls,” Calgary City , Computer and Electrical Engineering Department, University of Calgary, Canada (March 2009)

RESEARCH PROJECTS:

- Network Information Management and Security Lab.
- Machine Learning and Network Information Spaces Lab.
- Modeling and Mining of Network Information Spaces.
- Dynamic Knowledge Bases for Administration of Networked Environments.
- Concept Mapping and Semantic Modeling on P2P Networks.
- [Geo Messages](#)
- [QRpon](#)
- [Spot expert](#)
- [WiFi chat](#)

CONSULTING SKILLS:

- Able to approach problems from different prospective and grasp the consequence of different solutions
- Academic/ University Management.
- Curriculum Development/ Faculty Member Upgrading.
- Technical Problems in Industry.
- Good problem solving skills, team worker, and innovative.
- Supervision of different Projects in cooperation with industrial Partners.

B.ENG. THE GRADUATION PROJECT

My project in few words:

The developed unit assures a rapid (3-10 μ s when the frequency clock is 10MHz) computation of logarithmic expressions due to the use of the table- algorithmic method of data processing. To change the form of transcendent expressions that must be computing it is necessary to modify the program code and the memory table contents. The growth of computation precision is possible when the length of words in the memory table is extended. In the last case a small increasing of the computation time is possible.

M.S. THESIS

My thesis in few words:

The theme of the given work is very actual, as the complex decision of a task of optimization of models of operations of separate power stations and power systems as a whole allows at the minimal investments to supply essential economy of fuel. The task of complex optimization of models of operations power system has high complexity. Therefore expedient is the decomposition of this task on a line of subtasks of smaller complexity and dimension. To one of the most important subtask concerns the task of construction of the optimum expenditure characteristics of thermal power station. These power stations differ by the large variety of models of operations of their turbines: the thermal diagram of work, electrical diagram of work and so on. The equivalent account characteristic of such station represents dependence of the total charge of fuel or heat on manufacture of the given thermal and electrical capacity at optimum distribution of this capacity between turbines of power station. The special program using a method of dynamic programming carries out such distribution of capacity. As a result of work of this program the table of distribution of capacity between turbines of a thermal power station turns out. However such tale is inconvenient for the decision of tasks of optimization of distribution of loading at a level power system. For the decision of this task it is desirable to have the optimum account characteristics of station in an analytical kind. The developed in the given dissertation the software

allows receiving such characteristics. For their reception in work the methods regressive of the analysis in the matrix form are used. Thus the choice of the best model by several statistical criteria is made. The software submitted in the dissertation is developed on modern object-guided technology, has the convenient interface of the user and was tested on a real task. The work as a whole meets the requirements, showed to Master dissertations, and its author deserves award to him of Master degree of engineering science.

PH.D. DISSERTATION

My thesis in few words:

Key words: object specification of the control circuit, transitive systems, polymorphous extended Petri nets, template classes of the processes interpretation based on network structures.

This work focuses on the development of the methods for the control system software design of the discrete processes based on computer aids using object-oriented modeling and programming technology. The main objective of this work– development on the basis of hierarchy of patterns of polymorphic classes of means of the concretized specification of the software of control systems of discrete processes. Development opened for expansion and is offered to detailed elaboration of schemes of the specification of the discrete processes leaning the concept of recursively expanded Petri nets and focused on realization in systems of rapid application design of appendices within the limits of componential model Property-Method-Event. Unlike known expansions of Petri nets, restrictions on use of lexical elements of language C ++ are removed at the declaration of the enclosed and interrupted transitions that has allowed to open ways of effective coding. Algorithms of optimization of management are developed for the problems reduced to search of the shortest paths on virtual graphs in view of restrictions on structures of paths effective on memory and speed. Receptions of increase of speed of server processing of the inquiries are investigated, allowing due to the account of the predetermined decisions to lower the order of computing complexity. Methods of division and synchronization of data of definition of subsets of families of variants are offered at the decision of problems of search of optimum decisions under the scheme of cooperative use of resources of the computer networks, allowing improving dynamic characteristics of process of search of decisions in real time. Templates of classes of multilevel protection of the executed modules are developed and proved, allowing providing a demanded level of guarantees of integrity and safety of the distributed calculations with automation of technological stages of protection installation. The results of this research are being applied in industry by a set of research organizations.

TECHNICAL REPORTS

- Uncertainty Management Techniques in agent based systems, Department of Electrical and Computer Engineering, University of Calgary, 2009.
- Design & Implementation of a Motion Sensor Activated SSL with Timed Progressive Dimming, Department of Electrical and Computer Engineering, University of Calgary, 2009.
- Recovering Wasted Energy in Biomass Stove Using Thermo Electric Generator for Use in Developing Regions, Department of Electrical and Computer Engineering, University of Calgary, 2009.
- A Finite State Machine Controller Design for a Home Heating System, Department of Electrical and Computer Engineering, University of Calgary, 2009.
- Detection of Computer Attacks on the Analysis of Behavior of Network Objects, Department of Electrical and Computer Engineering, University of Calgary, 2008.
- Development of Radon Transformation Algorithms for Digital Images Processing, Department of Electrical and Computer Engineering, University of Calgary, 2008.
- Development of an Estimation Method for Throughput of a Multi-services Communication Network with Repeated Calls, Department of Electrical and Computer Engineering, University of Calgary, 2007.

CURRENT RESEARCH

The Directions:

- The laboratory of an economical and information security can be to give and provide in a board of joint projects (a development, an introduction and supporting in the board of a life cycle) the follow type of services:
- Corporate system of the information security on a base of the development and the implemented security policy with a methodical maintenance in any organization sphere.
- Corporate informational portal which building by the SharePoint's platform for creates a unified informational space of the enterprise with a supporting of an infrastructure and all need IT-services (this platform is provides a personalized WEB-interface, an authorization of the enterprise's employees, an access as a collective business-process for solve of corporate tasks, which has a limited time, a support of the protected channel of a transferring data) for the corporations and other big enterprises.
- Website (portal) is implemented as a full-functioning Web-platform for the company business development with the use of the possibilities of the online-resources (with support of a protected data transmission channel, and all known and available technologies).
- Virtualization (2D and 3D) of an infrastructure of the company, the interaction between virtual offices.
- Practical use of international information security standard ISO 17799:2005 in the company (the development are conduct the certified professionals).
- Audit of any informational resources (Web-audit) of the company with the formation of recommendations to improve of the information security a tool.
- Identify, analyze, and develop of any techniques to eliminate the dangers and vulnerabilities to the corporate information resources.
- Analysis of a level of safety and protection of any workplaces of employees (optimization of the operating system configuration) to form a single contour security of the company.
- Language localization of the customer. Multilanguage support.
- Ensuring the safe and secure preservation of any corporate data based on a distributed storage structure with support the protected data transmission channel.
- Visualization of the functioning of any informational resources company in the Internet environment. Formation of the statistical reporting of the functioning of any informational resources for further analysis and make recommendations to optimize the company's development strategy.
- Development of the complex monitoring system of the personal activities of the employees in the organizational structure of the company to identify and locate the source of threats of the corporate data leaks (an insider), and to prevent (or to minimize) the financial and other losses of the company up to bankruptcy.

COUNTRIES VEVISTED

- Jordan, Canada, United kingdom UK, Germania, Federation Russian, Romania, Belarus, Moldova, Syria, South of Africa, Iraq, United Arabia Emiratis, United State America USA, Sultanate of Oman, Saudi Arabia kingdom, Italia, Ukraine, Turkish, Cyrus.

HOBBY

- Going for sport (race, bicycle, jogging, and swimming), tourism, and astronomy, philosophy of knowledge and history of science.

I work with faculty and graduate students to help them enhance their teaching skills. I studied adult education at the international universities and completed a Post –Doctoral Research Fellows, a PhD , a Master Degree and B Sc Degree in Computer Engineering and Information Technology, I also taught Computer Science and Information Technology at faculty, and worked as a communication specialist and freelance writer. I Currently I facilitate teaching enhancement and research communication programs at the Systems and Information Technology.

I am interested in learning more about teaching team projects effectively in faculties and universities. Team projects are group assignments where 3 to 5 students work together to solve a problem, answer a question or develop a product. Typically this assignment is worth a high percentage of the course grade and the grades earned are shared among the students. After hearing concerns as to the effectiveness of this teaching method, I decided to investigate. I reviewed the literature, surveyed students and interviewed fellow instructors. I found that team projects could be a significantly better way to teach than many other options; such as delivering lectures. As well, teachers need to plan courses appropriately to increase student learning.

Team projects are a useful Approach to teaching because they allow students to experience and improve the teamwork and project management skills used in the workplace and community. For example, students learn how to work with others to make decisions, hold useful meetings, and negotiate meaning. They also learn to work to timelines, and give and receive feedback. In fact most of the skills required in most workplaces could be improved by participating in a team project. In addition, leading researchers (Boyer Report, 1998) suggest that undergraduate students frequently are good at low-level learning, such as memorizing, but not at higher- level skills such as problem solving. Students learn these skills best through working with peers to determine meaning.

However, Team projects are only effective if they are taught effectively. If they are not, then little learning or negative learning occurs (Holmer, 2003). For example, suppose the student does not learn effective team work skills, and believes that team work leads to poor performance. Then that attitude transfers to the next team situation the student encounters. The main reason cited for failure is that teachers commonly assign the project and then leave it to the students, without offering the support students need (Holmer, 2003). (Students often do not know how to work in teams, or how to manage projects.) This finding led me to determine useful teaching practices and develop resources. Currently I am seeking effective ways to encourage faculty to use these strategies, and seeking additional approaches to teaching team projects. I hope this work will help to better prepare students for successful futures.

Dear members of the education and research committee:

I am sincerely interested in being considered for a faculty position at the computer science and engineering department and I believe my research and teaching expertise as noted in my attached package are particularly well suited for this position.

My teaching and research interests are in the areas of: Operation systems; Computer networks; Data base; C++ programming; Data structure; Information systems; Microprocessor systems; Logic design; Circuits; Research methods; Computer skills; Engineering economic; Introduction of engineering, Ethics of Engineering and artificial intelligence. Wireless Networking, Web Development, Java Programming Language, Databases, Agent-Based Software Engineering, Context aware computing, and Problems of cyber-security, Problems of information and economic security, LBS and geo services, Knowledge representation and reasoning, E-learning, E-government applications and its usage impact. Among other projects, His research interests are based on how the digital can impact the human daily life and how computers and networks can help to deal with information overload.

I received my Ph.D. in computer engineering and IT from BUSIR in 2006. I have been at the Information Technology department at Al-Balqa Applied University since 2006. I have served in various roles within the department including head of accreditation committees for undergraduate

and graduate programs and most recently I have been nominated for the university graduate studies committee. I have developed the curricula for several courses at both graduate and undergraduate levels. I also taught several graduate courses: advanced industrial instrumentation and control systems, advanced theorem of electrical machines and drive systems, and artificial intelligent Techniques. Undergraduate courses: Operation systems; Computer networks; Data base; C++ programming; Data structure; Information systems; Software Engineering, Ethics of Engineering, Microprocessor systems; Logic design; Circuits; Research methods; Computer skills; Engineering economic; Introduction of engineering, and artificial intelligence.

I have established undergraduate research collaboration with LGEP (Laboratory of wireless Canada), Calgary-Calgary of University, Canada through a “AI-based modeling and control of travelling wave ultrasonic motors”.

My current and future projects include: intelligent control of industrial processes, modeling and design of industrial sensors, hybrid control systems, and adaptive control of PEM fuel cell plants, and design of AI-based energy management systems.

I have delivered several training workshops in subjects as: PLC, Simulink/ Mat Lab, and Lab VIEW. I am also a technical program committee member and a reviewer for several international conferences and journals.

I am confident I will contribute greatly to your department. I will employ my expertise to introduce students to state-of-the-art technology to solve local community problems. My resume and the list of references are enclosed for your consideration. I thank you for your consideration and look forward to hearing from you.

Sincerely yours,

Dr. Yousef Daradkeh
Associate professor
Tel. +966-538015790
E-mail: daradkeh@yahoo.ca

Statement of teaching philosophy and interests

My teaching interests are in area of theory and applications: Operation systems; Computer networks; Data base; C++ programming; Data structure; Information systems; Microprocessor systems; Logic design; Circuits; Research methods; Computer skills, Engineering economic; Software Engineering, Introduction of engineering, and artificial intelligence. My activities consist of classroom instruction, laboratory research, participation in graduate and undergraduate projects, and my involvement in the use of engineering software in undergraduate study.

Curriculum development for graduate and undergraduate classes: Besides teaching duties, I was responsible for developing course lectures, handouts, training workshops and tutorial lectures for various electrical engineering courses at both graduate and undergraduate levels.

Many associated projects were accomplished under my supervision. In curriculum design, I emphasize to prepare students for their professional lives, including providing them with disciplinary knowledge and engineering skills that will help them develop successful careers.

I concentrate on realistic cases as a method of instruction. The best cases present practical and compelling engineering problems in which the task of the student is to recommend a solution.

Instruction in laboratory research: I have had the opportunity to work in control, process control, pneumatic and hydraulic drive systems, electrical drive and power electronics labs with graduate students and undergraduate students; they have received instruction on aspects of the responsible

