

CURRICULUM VITAE

PERSONAL DETAILS

Name: Mohammed Ali Kafaji

Permanent Address: 62 Dunster Drive
Kingsbury
London NW9 8EL, UK

Current Address: Olaya, Izdihar, Exit 7
Riyadh, Kingdom of Saudi Arabia

Tel: 00 966 1 215 7711 Office
00 966 1 269 7163 Home
00 966 (0) 50 103 9741 Mobile

E-Mails: mkafaji@alfaisal.edu
ali_jmr@yahoo.co.uk

Date of Birth: 23rd March 1962

Nationality: British

ACADEMIC QUALIFICATIONS

1996-1998 PhD, Magnetic Imaging and Applications, Sheffield University, UK
1987-1988 MSc, 3D image processing & simulation, Dundee University, UK
1982-1986 BSc, College of Science

PROFESSIONAL QUALIFICATIONS

2013 **Lean Six Sigma (Green Belt)**

2012 **PMP (Project Management Professional)**

- Initiating Process Group
- Planning Process Group
- Executing Process Group
- Monitoring and Controlling Process Group
- Closing Process Group

2006 **ITIL (Certified – Foundation)**

- IT Service Support:
 - Service Desk
 - Incident, Problem, Change, Release and Configuration Management
- Service Delivery
 - Service Level, IT Financial, Availability, Capacity, and Business Continuity Management
- Security Management

- 2004 IT Project+ (Certified CompTIA IT Project Manager)**
- IT Project Initiation and Scope Definition
 - IT Project Planning
 - IT Project Execution, Control and Coordination
 - IT Project Closure, Acceptance and Support
- 2003 CISA (Certified Information System Auditor)**
- The IS Audit Process
 - Management Planning and Organisation of IS
 - Technical Infrastructure and Operational Practice
 - Protection of information Assets
 - Disaster Recovery and Business Continuity
 - Business Application System Development, Acq, Imp & Maintenance
 - Business Process Evaluation and Risk Management
- 2003 Oracle Certified Professional (Oracle 8i DBA Track)**
- Introduction to Oracle SQL and PL/SQL
 - Architecture and Administration
 - Backup and Recovery
 - Performance Tuning
 - Network Administration
- 1999 MCP (Microsoft Certified Professional)**
- Installing, Configuring, and Administering Microsoft Windows 2000 Professional.
 - Installing, Configuring, and Administering Microsoft® Windows® 2000 Server

EMPLOYMENT HISTORY

March 2011 – Date

**College of Business, Alfaisal University
Assistant Professor**

Mange and teach Project Management and Management Information Systems courses to both undergraduate and graduate students. I am in charge of developing and promoting the Project Management discipline and address all related students and senior management matters. For this, I proactively initiated an accreditation process in project management with the Project Management Institute (the world largest project management institution). This will benefits both our students and our programs, and will further enhance the university status and commitment to provide advanced courses tailored to local market and business needs.

For the research side, I have initiated research projects in portfolio management, educational technologies and eGovernment effectiveness and alignment. Furthermore, an active part of my research activities is to direct and supervise our MBA projects.

March 2007 – February 2011

**Finance and Admin Division, Alfaisal University
IT Director**

In this role I am responsible to plan, develop, implement and manage a university wide operational and administrative IT strategy. As a newly established research-based university, my roles focuses on the provision of technology based services to ensure aggressive growth and expansions for both initial setup and future operational steady state. I planned, designed, implemented and managed all IT and technical services including: infrastructure, support services, web services, application services, audio-visual services, and IT governance services.

Due to nature of my role, I am member of a number of committees ranging from simple operational to executive Council of Administrators. I report directly to the Provost and the vice president for administration; this gave me first hand understanding of core business requirements to develop tailored and effective technological models. Further, I was able to maintain effective alignment between the IT and the University's overall strategic objectives and cater for technical requirements as the university develops. I always participate in major executive meetings to present and update stakeholders on progress and issues on IT. Furthermore, I was often invited to present technical opinions to committees and meetings by various business units.

The key projects initiated and managed are listed in the table below:

▪ IT Strategy and Roadmap	▪ Integration of operational and academic apps
▪ IT Organisational Chart and Job Descriptions	▪ IT Audit
▪ IT Processes, Policies & Procedures	▪ Business Continuity
▪ IT Budget and Resources	▪ Audio/Visuals for classrooms & conference centres
▪ IT Infrastructure Design	▪ Recruitment of IS/IT staff
▪ Selection of Networking Active Components	▪ Data Centre Design
▪ Information Architecture	▪ Information security
▪ Selection of Core and Support applications: HR, Fin, SIS, Portal, ESB, ECM, Helpdesk, E- Learning, BI, and Library	▪ Standards and best practices (ITIL, Cobit, and ISO27001)

In addition to the above tasks, I also taught the Management Information Systems (for the College of Business) and the Computer Informatics (for College of Medicine).

Dec 2005 – March 2007

**KPMG Saudi Arabia
Senior Manager**

To lead and manage KPMG Information technology Internal Audit services as part of a comprehensive IS Governance framework. This covers managing project's risks, client's needs, marketing, service collaterals, and ensuring that IT services are delivered to the required internal standards. During this role I have developed strong relationships with clients in the governmental, banking, telecommunications and industrial sectors.

In addition to my IT audit knowledge gained from working in the UK, I have further strengthened my hands-on experience through utilisation and implementations of audit standards and methodologies used by big4 firms. Areas covered are related to ITIL, Cobit, and ISO27001. This has advanced my strategy in managing projects and meeting stakeholders' expectations and regulatory needs, both from internal and external perspectives.

May 2004 – Dec 2005

**MAK IT Audit, UK
Director**

During this period I worked as the director for my own company (named as MAK through DigiNets.Com). Contracts I won and completed successfully are listed below:

(a) pps-Acit & BentleyJennison

**April 2005 – Dec 2005
London - United Kingdom**

The following table lists key projects managed and service delivered in the last 18 months. Many of these projects conducted while subcontracting to two 20 consulting firms.

▪ PC and IT General Controls	▪ Change Management Controls
▪ Database Controls and Protection	▪ Cash Receipting Application
▪ Internet, Intranet & Email Controls	▪ Information Strategy and Planning

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| ▪ Network Controls (security, admin, & access) | ▪ Data Processing and Management |
| ▪ Telecommunication - Voice Over IP | ▪ Financial and Payroll Application Review |
| ▪ IT Security and Firewalls | ▪ Help Desk Controls (ITIL) |
| ▪ Business Continuity Planning | ▪ Data Backup (TMS & NAS) |
| ▪ Process mapping to Cobit/ISO17799 | ▪ Security Policies and Procedures |
| ▪ Remote Access | ▪ Portal Security & Risk |
| ▪ High-Level SAP Review | ▪ Business Processes and Risks Reviews |
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(b) Diginets Systems

Nov 2004 – April 2005

London - United Kingdom

To conducted a detailed review of the company's IT infrastructure, and provide recommendations for developing IT policies and procedures and business processes using ITIL, Cobit and ISO17799 frameworks.

(c) Ernst & Young, Middle -East

May 2004 – Nov 2004

Senior Manager

I worked as a senior manager in the Business Advisory Solutions at the Ernst & Young Consulting, Middle East. The key areas of operations under my supervision included IT project management and Business transformations. In these areas, we have over thirty interlinked business development products, in all of which, the project management and system analysis skills are essentially required. I conduct meetings with key clients to identify their requirement, scope of work, coordinate with co-workers (local and international), prepare appropriate responses, managed required follow-ups, and project manage the assignment for delivering and quality assurance of the required products.

In this role, I headed a team of five full-time employees and have managed four major proposals for ministerial and governmental organisations with total value exceeding \$4m.

August 2001 - April 2004

**Banking and Financial Institutes (Oman & Bahrain)
Senior Lecturer and Head of IT Department**

I worked for the banking institutes in both Oman and Bahrain. My main duties included:

- Teach computer science and information technology courses.
- Developing best-practice & procedures for: Project Management, Business Continuity Management, and Information Audit & security. ISO17799 and Cobit were utilised for these tasks.
- Management of the full IT infrastructure development programme for purchasing required hardware and integrated information systems to manage day-to-day activities. In this project I had 9 full time workers and a budget of over £240k. The project covered stakeholder management, system analysis, quality assurance, system development, and contract management.
- Developing, designing and implementing high level IT training and awareness programmes for the banking and the public sectors.
- In addition to the above projects, I also managed all daily activities and aspects of the IT department. I was a member of a task force to develop and implement business continuity plan, evaluate the implementation of an E-Commerce & E-Banking solutions with our co-partner (HP Consulting - Germany). I was appointed as the liaison officer for managing and testing the BCP. Research and consultation also conducted throughout this employment. I taught various IT courses such as Business Continuity Management (BCM), IT project Management, Information Systems, IT Audit & Control, IT Security, and E-Commerce.

September 1999 – June 2001

**Technical College, AlMadinah, Saudi Arabia
Assistant Professor**

During this role, I taught specialised computer science courses (see list next section). Further, I was the project manager to launch new initiative with Oracle, lectured practical workshops to develop customised DBMS (Oracle). In addition, I provide consulting services for networking and laboratory set-up to establish a computer centre and managed the setting up of the required networking services. This included, providing secure Internet accesses, develop and implement a security policy, and classify network users in terms of access and privileges.

April 1992- September 1999

**Department of EEE, University of Sheffield, UK
Research Associate (MIS Programmer, Simulator &
Administrator)**

Using state of the art equipment for image simulation, data analysis and modelling. Many applications were developed using FORTRAN and JAVA languages for these purposes. In addition, the maintenance and upgrade of computer laboratory facilities were under my responsibility.

WORK EXPERIENCE

• Teaching for Higher Education

My teaching experience spans over 12 years, during which I taught specialised courses for higher education students. In addition, I have extensive experience in training and consulting services for the educational institutions. Taught courses are mainly in information technology, computer science and business. Many of my courses were structured, planned and delivered by me with impeded rich contents. This in turn enriched my experience and has advanced my thinking in course design and planning to reflect modern advances in educational technology and assessment methods.

A selection of key courses taught is listed below:

- Quantitative Methods for Project management
- Managing Strategic Business Projects
- Project Management II
- Project management I
- Microsoft Project 2010
- Information management systems
- Business continuity management
- Information security
- E-Commerce
- System Analysis Relational databases (RDBMS)
- Networking
- IT audit and risks (Cisa and Cobit)
- IT Infrastructure library (ITIL)
- Programming languages (FORTRAN, SQL and Java)

• Advanced Research and Simulations

As a consequence of my research activities and subsequent publications, I developed proactive goal-oriented research skills and quality oral presentations. The practical skills gained include logical & innovative thinking, design workable models, apply and test these models, and collect and analyse data. This has resulted in the publication of 40 papers in different scientific journals and symposiums (see journal publications).

During my research engagement, I worked and managed a large number of initiatives and research projects. Some of the key research projects include the development and application of analytical models to simulate 3D objects that possess specific symmetry operations. The model is based on the utilisation of the spherical coefficients, a known mathematical concept in applied mathematics for engineers. Due to the low computing power of the computer processors in the late eighties, this approach helped to simulate 3D objects using experimental data via the application of group theories. On another set of research projects, I investigated the interaction of high-speed particles with multilayer structure in electronics to deduce the sharpness and quality of the internal microstructure interfaces and chemical composition. Subsequently I developed a theoretical model that was successfully used in other projects for plan-view observations of multi-layered structures. Usage of new electric materials in computer hardware and electronics was the subject of nano-level investigation in the mid-nineties for which I was actively involved in investigating quantum dots. I further used and developed atomic and magnetic force microscopy to image magnetic surfaces by mapping the magnetic field to investigate the quality of the binary data written on these surfaces.

- **Project Management**

I am a certified project manager; *PMP* from PMI and *IT Project*⁺ from compTIA. I have proven track record in project planning and tracking activities. These activities involved project management consultancy, scope management, time management, cost management, communications management, HR management, procurement management, risk management, and integration management. I have practical experience in performing required analysis and business case presentations to senior management prior to project initiation phase and the preparation of project charter document. I have extensive experience in using many project tools and techniques in managing projects, for example I often prepare detailed Earned Value charts for senior management to have a visual understanding on the project performance to date.

During my work experience, I have managed and delivered many business and technical projects, over 30 projects in total. Examples of major projects managed in the Middle-East are: setting up Computer Centre, Developing IT Strategy, Implementing IT Infrastructure, Developing Business Continuity Plan, Mapping Business Process to LTIL, HR Policies and Procedures, Appraisal Performance Management System, EEnterprise Resource System (ERP), University On-line Services, and Student Information System. These projects were conducted in the middle-east and the UK. During my consultancy work, I prepared and managed my project proposals for different disciplines in public and private sectors, including banking, industries, education, and telecommunication.

In all these projects, I have conducted the following key tasks:

- Performing feasibility study to document business needs and requirements.
- Research, collect, analyse and document business & environmental constraints and assumptions.
- Prepare associated RFP, select appropriate vendors/contractors, and review subsequent contractual terms and conditions.
- Manage day-to-day operations for managing the projects; this include, but not limited to, kick-off meeting, project charter, stakeholders' management, team contracts, scope statement, Gant chart, critical paths, financial analysis, progress reports, risks register & tracking, lesson learned ..etc.
- Address all business enquiries raised by stakeholders and vendors.
- Manage and prepare high-level presentations and project documentation.
- Recruit required staff and negotiate project requirements and needs.
- Quality and assurance of project implantation and product delivery.

- Develop and manage change management process with tight control over project scope, time and cost.

A major aspect of my project management work was to align business needs and stakeholder/end-user expectations with the project deliverables and expectations. Furthermore, in all these activities, the project management framework and methodology published by the project management institute (PMI) and implemented using practical methodologies developed by the big4 firms (E&Y and KPMG).

Consultations were offered to many partners to resolve project management conflicting issues and suggest correct set of actions to recover projects and stay in control. I trained many new project managers on project management concepts and methodologies to qualify for IT Project+ and PMP international certifications. MS Project 2002 is used extensively as a tool throughout all my activities in project management.

- **Business Management and Service Delivery**

I have gained extensive international experience from working in different environments for different business and service requirements. This included the development of business plans, service lines, service collaterals, managing resources, managing budget, achieving targets, identifying risks, and quantifying business opportunities. During all these activities, discussions and presentations were held with business stakeholders to present the current business situation and up-to-date plans. Analysis based on market study and financial management methods are presented to assist in decision making.

- **MBA Course Administrator**

In addition to my involvement in teaching at the MBA degree from Strathclyde University-UK, I also take part in managing student's registration, admission, interviewing and MBA marketing.

- **Business Consultancy and Client Management**

The wide experience gained from engagements with projects in different business areas, gave me the holistic understanding of business interdependencies which helped to give objectives business consultancy services to meet specific client needs. This strengthened my ties with the client as a business partner. My exposure to the approaches and methodologies used by international consultancy firms, such as E&Y and KPMG, gave additional skills aligned with best practices and standards.

Over the years, specific phased methodology was developed to manage client's expectations, address their concerns and manage project issues to satisfactory results. This phased approach is further divided into specific stages, tasks and deliverables to meet project expectations on a timely and consistent manner. From these activities, I learned how to conduct meetings with clients to extract relevant information by asking relevant questions, how to secure and maintain client commitment, how to monitor progress and client satisfactions, and how to learn and share information.

- **Information Systems Audit, Security, and Control**

Being a fully CISA qualified professional with extensive work experience in managing IT and audit programmes for a variety of businesses, I have conducted many audit, security and risks projects for different sectors and clients (see table above). I have been heavily involved with the Information Systems Audit and Control Association (ISACA) for over five years. My skills in managing audit and review programs are based on the international audit standards (as published by ISACA) plus value added gained from practical experience through managing different audit assignments and projects at E&Y and KPMG. In all my performed audit and security reviews, I have developed and implemented tailored audit programmes to meet client's needs and

expectations. To perform the audit, I further developed detailed audit programmes, control evaluation matrices, risk analysis & quantifications, collect required support and work papers, and carried detailed tests of the controls. In all these tasks, substantial client consultations and reporting activities are carried out.

On the security side I have developed appropriate security policies for different environments and gave consulting services for organisations in the banking, education and financial sectors. My security involvement covers the ten IT&IS security domains (see below) and I have proactively initialled the implementation of ISO17799 standards for organisations in the banking industry. Cobit, ITIL and IS Governance frameworks were used to review information system and information management processes.

I have wide experience in providing and managing consulting services and implementing the ten domains required for the CISSP certification, which covers: Access Control Systems & Methodology, Applications & Systems Development, Business Continuity Planning, Cryptography, Law, Investigation & Ethics, Operations Security, Physical Security, Security Architecture & Models, Security Management Practices, Telecommunications, Network & Internet Security.

- **Business Continuity Management**

As a senior manager in a banking institute situated within the heart of the finance sector, I was involved in setting up the appropriate business continuity management strategy necessary for modern businesses and threats. This was achieved by implementing the key stages of the BCI framework, which consisting of the following ten domains:

1. Project Initiation and Management
2. Risk Evaluation and Control
3. Business Impact Analysis
4. Developing Business Continuity Strategies
5. Emergency Response and Operations
6. Developing and Implementing BCP
7. Awareness and Training Programs
8. Maintaining and Exercising BCP
9. Public Relations and Crisis Communication
10. Co-ordination with Public Authorities

This experience and the thorough understanding of the BCI framework were fully utilised to develop and conduct a highly specialised BCM training course directed for senior management at the banking sector. I also provided consulting services on BCP to local customers in the banking sector. I worked to ISO17799 standards and guidelines in managing all aspects of a new BCP projects. I was trained by Insight consulting–BCI (UK) and held an affiliated membership with the BCI.

- **IS/IT Strategy Planning and Implementation**

Efficient management of IT departments with an overall integral view is only possible with successful design and planning of adequate IS/IT strategy. In my IT departmental, I was responsible in setting up the required IS/IT strategy on light of the organisation vision and requirements. This strategy takes into consideration both the short and long term developments. It will also ensure central control of the IS/IT resources in case of strategy changes due to internal or external factors (e.g. changes in technology) which of course to reduce cost and time. In addition, the strategy will remove task duplications and gives more clear future vision for the development purposes.

- **Business Analysis and Development**

Having worked for leading international consulting firms with key clients, I have adopted a well-recognised and accepted system analysis methodologies and techniques. These are based on a problem-solving approach to define scope, components and identify & evaluate problems, opportunities, constraints and needs. Then examine alternative solutions to improve systems, mitigate risks, identify optimum sub-systems, design active plans and examine them against the entire system.

- **Oracle Network Administration**

I am certified Oracle database administrator (OCP), with extensive training (at Oracle HQ) on Oracle development methodologies and process, including PL/SQL Plus, Forms, Queries, and Reports. Subsequently, I taught Oracle applications and administration courses and developed & testing customised Oracle applications. I performed Oracle applications setup on our network server and in all connected clients for simultaneous access to the database and related applications. I was also in charge of the database management and administration activities such as user managements, database design (both logical and physical designs), Backup strategy, Performance tuning, Troubleshooting, Security & Privacy strategy, and other daily administration issues.

- **Management of Banking Institute**

I worked as an active member of various steering committees in managing the affair of the Institute of Banking and Financial Institute in Oman. I was also appointed as an Acting Director General (ADG) for the institute during the absence of the director general. I fully managed the development of the institute's IT infrastructure to meet modern management and technological advances and requirements. I managed and run various strategic development programs and workshops to analyse the institute's performance and improve its offerings to meet local banking training and development requirements.

- **Management of Information Technology Department and Computer Centre**

As a manager of the IT department, I have extensive experience and involvement in all daily activities (managing 8 staff and 9 courses). I have extensive experience in formulating and implementing the departmental strategic plans and liase with all stakeholders (both in the government and the private sectors). In order to monitor the performance and long-term success, these plans were subsequently evaluated, and a performance framework for periodic review was put in place. Part of my duties included staff recruitment, infrastructure development, network administration, IS & network security, business continuity planning, and reporting to senior management.

Furthermore, I have implemented, managed and supervised networking services. This included the design of the network, purchase of required hardware, setup of security systems, develop & implement a user policy, performance monitoring, upgrading, maintenance, and other daily system administration duties.

- **Network Development**

Developing of networking infrastructure (both network hardware and resources) for high-speed communication and trouble free access (for local, enterprise and internet resources). This includes selecting and installing appropriate network topology and use required network protocols to access all available recourses.

- **LAN/WAN Installation and Support**

Link enterprise subnets using Routers and installing proxy Server to provide Internet access to all departments and employees. This includes installing and configuring required firewall to secure enterprise data and recourses.

- **Administering Microsoft Windows 2000 and NT 4.0 Servers and Clients**

- Installing and upgrading Servers and Workstations (Windows 95/98/Me and 2000 Professional)

- User and group administrations and setting planned security policy
- Configuring Windows NT environments and managing fault tolerance
- Installing and configuring TCP/IP, NWLink and NetBEUI protocols
- Securing and monitoring network shared resources
- Managing partitions and file systems (both FAT and NTFS)
- Installing, administering and configuring network printers, RAS, DHCP and WINS
- Installing and configuring IIS and PWS
- Installing and configuring Proxy Server, File server, Printer server and E-mail Server
- Connecting Windows NT with Novel NetWare
- Auditing and monitoring of network resources
- Backup and data restoring

- **Hardware, Technical Support and Upgrade**

I worked for one year as a head and supervisor of a PC troubleshooting and maintenance department. The main tasks were to train new students to maintain and upgrade PC's (e.g. assemble, diagnose, install/remove software & hardware, resolving conflicts problems, ...ect).

- **Application Development**

Different applications were developed and supervised using Oracle, SQL, Access, Fortran and Java.

- I have gained substantial **face and telephone communication** skills with people inside and outside my organisation (both customers and suppliers). This has enabled me to understand the concerns and different views of a wide number of users.
- Due to my involvement in educations and progress reports presentation, I have gained high **data analysis and presentation skills**. Additionally, I am familiar in using a wide range of Microsoft applications and image processing packages.
- Since data sharing and team working are vital in any successful institution, I have enjoyed the experience of working as a **member of a team**.
- I have often been involved in the process of **decision making** to purchase suitable hardware required for our network services, image processing computations and data management.
- I have active and rich research activities, which resulted in the publication of more than 38 papers in various international scientific journals and symposiums (a full list of these publications is available if requested).

TRAINING ATTENDED

- 2013 Lean Six Sigma
- 2013 SAP Suite for Businesses
- 2012 Project Management Professional
- 2009 Program Management
- 2008 Process Re-engineering
- 2007 Learning Strategy for Higher Education
- 2006 Staff Performance Management
- 2005 ITIL Framework
- 2005 IT Audit Tools
- 2004 IT Project Management
- 2003 Information Systems Audit and Control
- 2003 Certified Information System Security Professional, CISSP
- 2002 Successful Business Continuity Management, Insight Consulting
- 2002 IT and Knowledge Management

- 2001 Windows 2000 Network and Operating System Essentials (#2151A)
Implementing Microsoft Windows 2000 Professional and Server (#2152ACP)
- 2000 Full track of Oracle Certified Professional (SQL, PL/SQL, Forms I, Forms II, Reports)
- 2000 Oracle 8i Database Administrator (DBA) Track
- 1997 Microsoft Access Application Development
- 1998 Networking Essential, Windows NT 4.0 Core technology, Windows NT 4.0 Administration
- 1995 Training and assessment in higher education, Sheffield-UK

PROFESSIONAL AFFILIATIONS

Member of Project Management Institute (PMI) - USA

Member of Information Systems Audit and Control Association (ISACA) -USA

Member of Saudi Arabia chapter for PMI

Member of Saudi Arabia chapter for ISACA

OTHER ACTIVITIES

- I have clean British driving licence.
- I am fluent speaker in English and Arabic.

INTEREST AND ACTIVITIES

Sports and History.

JOURNAL PUBLICATIONS

Refereed and In-Progress Papers:

1. M. A. Kafaji, (2014) 'System Management Approach to Teach Organisational Change for MBA Students', a conference paper to be submitted to: Higher Education Close Up- Research Making a Difference, UK.
2. MA Kafaji (2014) 'The Role Played by System Thinking Approach to Improve Project Success Rate', journal paper, in progress.
3. MA Kafaji (2013) "Evaluating the Roll of Quality of Service as a Mediator on User Satisfaction in E-Government Applications", Abstract accepted and the full article under review.
4. MA Kafaji and R Santa, "The Extent Quality of Service Affects End-User Satisfaction: A Case of E-Government Operational Model", submitted to 21st International Annual EurOMA Conference- Italy 20-25 June 2014.
5. M. A. Kafaji, (2012) 'A Practical Approach to Implement Education Technologies in New Universities', Oriental Journal of Computer Science and Technology, v5, 1, 01-08.
6. R. Santa, M. Kafaji, M. Ferrer (2012), 'The impact of service quality on the improvement of operational performance in the public sector' to be presented at the 19th EUROMA –European Operations Management Association – Annual conference. July 2-4, Amsterdam.
7. Kafaji, M. (2011) "Adopting Educational Technologies: A practical Approach for Newly Established Universities", Presented at First International Conference on Emerging Research Paradigms in Business and Social Sciences, Middlesex University, Dubai, November 2011.
8. M.A. Al-Khafaji, I. Ahmad, W.M. Rainforth, H.A. Davies, R.A. Buckley, (2001) 'Investigation of the phase constitution and structure of rapidly solidified hard magnetic Nd₁₈Fe₇₆B₆ ribbons by transmission electron microscopy', Philosophical Magazine A, 81,1, 11.
9. M.A. Migliorato, L.R. Wilson, D.J. Mowbray, M.S. Skolnick, M. Al-Khafaji, A.G. Cullis, and M. Hopkinson, (2001) 'Structural and optical studies of vertically aligned InAs/GaAs self-assembled quantum dots', J. Appl. Phys. 90, 6374.
10. P W Fry, D J Mowbray, I E Itskevich, M S Skolnick, J A E P O' Reilly, M Hopkinson, M AL-Khafaji, J P R David, A G Cullis and G Hill, (2001) 'Photocurrent spectroscopy of InAs/GaAs self-assembled quantum dots', Physica Status Solidi B224, 497.
11. P.W Fry, I.E. Itskevich, S.R. Parnell, J.J. Finley, L.R. Wilson, K.L. Schumacher, D.J. Mowbray, M.S. Skolnick, M. Al-Khafaji, A.G. Cullis, M. Hopkinson, J.C. Clark, and G. Hill, (2000) 'Photocurrent spectroscopy of InAs/GaAs self-assembled quantum dots', Phys. Rev. B 62, 16784.
12. P.W. Fry, I.E. Itskevich, D.J. Mowbray, M.S. Skolnick, J.J. Finley, J.A. Barker, E.P. O'Reilly, L.R. Wilson, I.A. Larkin, P.A. Maksym, M. Hopkinson, M. Al-Khafaji, J.P.R. David, A.G. Cullis, G. Hill, and J.C. Clark, (2000) 'Inverted Electron-Hole Alignment in InAs-GaAs Self-Assembled Quantum Dots', Phys. Rev. Lett. 84, 733.
13. C. Percival, P.A. Houston, J. Woodhead, M. Al-Khafaji, G. Hill, J.S. Roberts, A.P. Knights, (2000) 'GaAs quantum wire lasers grown on v-grooved substrates isolated by self-aligned ion implantation', IEEE Transactions, 47, 9, 1769.
14. P.W. Fry, I.E. Itskevich, D.J. Mowbray, M.S. Skolnick, J. Barker, E.P. O'Reilly, M. Hopkinson, M. Al-Khafaji, A.G. Cullis, G. Gill, J.C. Clark, (1999) 'Quantum Confined Stark

Effect and Permanent Dipole Moment of InAs–GaAs Self-Assembled Quantum Dots’, *Physica Status Solidi (a)*, 178, 1, 269.

15. M.A. Al-Khafaji, A.G. Cullis, M Hopkinson, C.R. Whitehouse, S.R. Parnell, D.J. Mowbray and M.S. Skolnick, (1999) ‘TEM nanoscale analysis of InAs quantum dots grown on GaAs by MBE’, *Inst Phys Conf Ser* 161, 585.
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18. P.W. Fry, I.E. Itskevich, D.J. Mowbray, M.S. Skolnick, L.R. Wilson, J. Barker, E. P. O’Reilly, I.A. Larkin, P.A. Maksym, M. Hopkinson, M. Al-Khafaji, A.G. Cullis, G. Hill and J.C. Clark, (1999) ‘Photocurrent Spectroscopy of InAs-GaAs Self Assembled Quantum Dots: Observation of a Permanent Dipole Moment’, *Proceedings: Proceedings of the Spring 1999 Meeting of the Materials Research Society, San Francisco*.
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