

Personal Information

Name	Osama Kayed Taher Qtaish
Place and date of birth	8/07/1979, Amman
Faculty	Information Technology
Department	Software Engineering

Qualifications

Qualification	Specialization	University of donor rank	Date
Bachelors	Computer Science	Al Zaytoonah University	2001
Master	Information Technology	Al Nileen University	2002
Ph.D	Software Engineering	University Utara Malaysia	2014

Specialization and domain of interest

Specialization	Software Engineering
Domain of interest	Service Oriented Architecture, Web Service, QoS, SOC, Web service composition, Data mining, Optimization

Specialization and domain of interest**Title and abstract of the doctoral thesis (within 150 words)**

Title : OPTIMAL QOS-AWARE MULTIPLE PATHS WEB SERVICE COMPOSITION USING HEURISTIC ALGORITHMS AND DATA MINING TECHNIQUES

Abstract : The goal of QoS-aware service composition is to generate optimal composite services that satisfy the QoS requirements defined by clients. However, when compositions contain more than one execution path, it is difficult to generate a composite service that simultaneously optimizes all the execution paths involved in the composite service at the same time while meeting the QoS requirements. This

issue brings us to the challenge of solving the QoS-aware service composition problem, so called an optimization problem. A further research challenge is the determination of the QoS characteristics that can be considered as selection criteria. In this thesis, a smart QoS-aware service composition approach is proposed. The aim is to solve the above-mentioned problems via an optimization mechanism based upon the combination between runtime path prediction method and heuristic algorithms. Experiments via WEKA tool and simulation prototype were conducted to evaluate the methods used and the results were promising

Career Experience

Job Title	Place of work	Date
Teaching Assistant	Petra University	2001 - 2008
Research Assistant	University of Utara Malaysia	2010 - 20013
Assistant Professor	Al-Isra Private University	2014 - current

Administrative works and committees

Administrative work and committee	Date
لجنة ضمان الجودة	2016
لجنة رعاية الطلبة المبدعين	2016
لجنة نشاطات الطلبة	2015
لجنة الكفاءة الجامعية	2015

Recent Publications within last five years

Name of researcher	Research title, Publisher, Date
Osama Qtaish, Zulikha Jamaludin	QoS criteria for distinguishing the competing web services, Proceedings of the 2011 First IRAST International Conference on Data Engineering and Internet Technology (DEIT), Bali, Indonesia: IEEE Computer Society 2011.
Osama Qtaish, Zulikha Jamaludin, Mahmuddin	Optimal QoS Aware Multi-Path Web Service Composition Using Heuristics Algorithm And Data Mining. In The International Conference on Computing, Networking and Digital Technologies (ICCNDT2012), (pp. 136-141). The Society of Digital Information and Wireless Communication. 2012
Osama Qtaish, Zulikha Jamaludin, Mahmuddin	Multi-Path QoS-Aware Service Composition. International Journal of Engineering Research and Applications (IJERA). 2(2),(pp.1075-1085). 2012
Osama Qtaish, Zulikha Jamaludin, Mahmuddin	Using Data Mining to Predict& Generate Optimum Multiple Execution Paths Compositions. The International Journal for Software Engineering (IJSE). 2014

Scientific conferences and symposia
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Conference Title	Place and date of conference	Type of participation
International Conference on Data Engineering and Internet Technology (DEIT)	Indonesia, 2011	Presenter
International Conference on Computing, Networking and Digital Technologies (ICCNDT2012)	Bahrain, 2012	Presenter

The International Arab Conference on Information Technology (ACIT2015)	Jordan, 2015	Co-Chair
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Training courses

Name of course	Date
programming languages (C#)	2002
Oracle Course (SQL, PL/SQL, Developer). programming language (VB.net)	2003
programming language (C++)	2003
Computer Skills	2004
	2005

Teaching activities

Taught Courses	Bachelor	Graduate
Software Engineering Fundamentals	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electronic Commerce/Transaction	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Computer Skills	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Web design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Programming Mathematics	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Maltlab	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Software Quality Assurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Software Design	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Software Requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PHP	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Object Oriented Software Engineering	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C#	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Graduation Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>