



المملكة العربية السعودية  
وزارة التعليم العالي  
جامعة نجران  
كلية العلوم و الآداب بشرورة

استمارة بيانات عضو هيئة التدريس

### بيانات عامة: General Information

Computer Science	القسم Department	Makarem Mohamed Abdulqader Bamatraf	الاسم Name
Yemeni	الجنسية Nationality	Assistance Professor	المسمى الوظيفي Staff position
<a href="mailto:makarembamatraf@yahoo.com">makarembamatraf@yahoo.com</a>	الإيميل Email	9977	رقم الهاتف Phone
Computer Networks	التخصص الدقيق Area of Specialization	Computer Science	التخصص العام Specialization

### المؤهلات الدراسية: Education History

ملاحظات Note	طريقة الحصول عليه Study Theme	الجامعة University	بلد الحصول عليه Country	تاريخه Date	نوع المؤهل Certificate
	Regular	Putra	Malaysia	2007	PhD in Computer Networks
	Regular	Al-el-Bayt	Jordan	2003	MSc in Computer Science
	Regular	Al-Mosul	Iraq	1997	BSc in Computer Science

### المرتبة العلمية:

ملاحظات Note	الجامعة University	بلد الحصول عليه Country	تاريخه Date	المرتبة Title
	Hadhramout University	Yemen	2003	محاضر Lecturer
	Hadhramout University	Yemen	2007	أستاذ مساعد Assistant Professor

### المواد التي درستها: Teaching Courses

ملاحظات Note	السنة Teaching Year	المادة Course Name
	2017	Fundamentals of Information Systems
	2016, 2017	Fundamentals of Database Systems
	2010, 2011, 2014, 2015	Computer Programming

	2007 – 2012, 2016, 2017	Computer Networking
	2007 - 2012	Computer Security
	2007 - 2012	Network Security
	2010, 2013	Computer Graphics
	2014, 2015	Human Computer interaction
	2010	Theory of Computation
	2011	Wireless Networks, Routing and switching
	2011	Computer Organization and Architecture

### الأبحاث العلمية المنشورة: Publications

1. Makarem Bamatraf and Mohamed Othman, Improved Heuristics for Optimizing Shortest Path Routing, Journal of Computer Communications, Vol. 30, No. 7, pp.1513-1526, **2007**.
2. Makarem Bamatraf and Mohamed Othman, Increasing Forwarding Links when Optimizing OSPF Routing, International Conference on Science and Technology, UITM Penang, **2006**.
3. Makarem Bamatraf, Mohamed Othman, Shamala Subramaniam, and Jalil Desa, Optimizing Paths in OSPF Routing, 13th IEEE International Conference on Networks, Jointly held with the 2005 IEEE 7th Malaysia International Conference on Communication, Kuala Lumpur, Malaysia, **2005**.
4. Makarem Bamatraf , Mohamed Othman, Rozita Johari, and Shamala Subramaniam, Re-Implementation of OSPF Routing Cost, INTEC2004 FSKTM, University Putra Malaysia, **2004**.

### Administrative Positions

- Coordinator of computer Science Department- College of Arts and Science-Sharourah, Najran University, Saudi Arabia, 2013-2017.
- Head of Information Technology Department, AL-Rayan University, Yemen, 2011-2013.

### Academic Activities

- Participated in preparing and improving the curriculum of Information Technology Department, AL-Rayan University, Yemen, 2011-2013.



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## Workshops

- Attendance of the Academic Form held in college of Arts and Science-Shraurah, Najran University, **2017**.
- Attendance of workshop on scientific writing and presentation skills organized by UPM International Students Association, Malaysia, **2003**.

## Training

- CISCO instructor for CCNA1-4, Scientific Academy, Hadhramout, Yemen, 2012-2013.
- **CISCO** training course as an instructor for CCNA1, CCNA2, CCNA3, and CCNA4, Regional **Cisco Academy** – Yemen, 2012.
- Attendance of a program in Blended Learning: Applications in Blackboard LMS system, King Saud University, Saudi Arabia, total of 10 training hours, 21-22 May **2011**.
- Attendance of TOEFL course (50 hours) held in AL al-Bayt University, Jordan, **2002**.

## Medals

- Mohamed Othman and Makarem Bamatraf, OSPF Routing Optimization Tool, Research and Innovation Exhibition, University Putra Malaysia, Bronze Medal, **2006**.
- Mohamed Othman and Makarem Bamatraf, Improved Balance Heuristic for OSPF Routing in Network traffic Engineering, Research and Innovation Exhibition, University Putra Malaysia, Silver Medal, **2005**.

## Languages

- Arabic (Mother Language)
- English