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Name & Rank: Dr. Youssef Harrath, Assistant Professor

Education	[2003] Franche-Comte University Besancon, France

Ph.D. in Computer Science

- 3-year scholar ship from the ministry of high education of France.
- Very honorable.
- 7 published papers.

[2000]   Polytechnic National Institute   Grenoble, France

Master in Operational Research, Optimization and Combinatorial

- 3rd best GPA.
- 6-month scholarship from the University of Technology of Troyes for the master training.
- A journal paper: *APII-JESA, Journal Européen des Systèmes Automatisés*, vol. 36, n° 1, pp. 11-31, 2002.
- Best research paper in the International Conference MOSIM'03
- A research paper published in IFAC Symposium on Manufacturing Modeling Management and Control.

[1998]   Science Faculty   Monastir, Tunisia

Bachelor in Computer Science applied Mathematics

- Highest GPA.

Research Interest   Working mainly in the domain of Operational Research and especially in the scheduling. Familiar with Genetic algorithm based techniques and linear programming.

Academic Experience and Appointments

[Since 09/2010] **Assistant professor**: University of Bahrain, Bahrain, IT College, Computer Science Department.

[2/2006-8/2010] **Assistant professor**: University of Hail, Saudi Arabia, CSSE College, Computer Science Department.

[9/2005-2/2006] **Assistant professor**: King Fahad University of Petroleum and Minerals, Saudi Arabia, Hail Community College, Computer Science Department.

[9/2004-8/2005] **Assistant professor**: High Institute of Applied Computer Sciences of Lorraine: Nancy – France

[9/2003-8/2004] **Assistant professor**: National Institute Of Applied Science, Rouen, France.

[9/2000-8/2003] **Teaching Assistant**: High National Institute of Mechanics

and Mecatronics, Besancon, France.

[9/1998-8/1999] **Teaching Assistant**: Science University, Monastir, Tunisia.

[2007-2010] Supervisor of 2 Ph.D. students

[2002-2010] Supervisor of 4 Master students

Other Related Non-Academic Experience	*MECATRONICS: Besançon – France : Member of the organizing comities of the French-Japanese international congress "MECATRONICS", October 2001.* ISATP: Besançon – France: Member of the organizing comities of the 5th International Symposium on Assembly and Task Planning: "ISATP", July 2003.
Membership of Professional and Scientific Socities	EU/ME the European chapter on metaheuristics: EURO Working Group: http://tew.ruca.ua.ac.be/eume/welcome.htm?eume.sidebar.html&0 GOThA: Groupe de recherche en Ordonnancement Théorique et Appliqué: http://www-poleia.lip6.fr/~sourd/gotha/
Honors, Awards, and Grants	3-year Ph.D. Scholarship from the ministry of high education of France. Scholarship from the University of Technology of Troyes, France for a master training.
Selected Publications	M. Ben Ali, M. Gossa, M. Sassi, and **Y. Harrath**, Simultaneous scheduling of production and maintenance tasks in the job shop, International Journal of Production Research, 2010 **Y. Harrath**, B. Morello-Chebel, N. Zerhouni, Bornes inférieures et optimisation génétique multiobjective pour l'ordonnancement conjoint de la maintenance et de la production d'un job shop, *APII-JESA, Journal Européen des Systèmes Automatisés*, vol. 37, n°5, p. 621-640, 2003. A. Dolgui, N. Gushinsky, **Y. Harrath**, G. Levin, Une approche de programmation linéaire pour la conception des lignes de transfert. *APII-JESA, Journal Européen des Systèmes Automatisés*, vol. 36, n° 1, pp. 11-31, 2002. J. Kaabi and **Y. Harrath**, "A Genetic Algorithm to schedule the flow shop problem under maintenance activities", the 39th International Conference on Computers & Industrial Engineering (CIE39), July 5-9 2009, Troyes-France. M. Ben Ali, M. Sassi, M. Gossa, **Y. Harrath**, Evaluation des coûts de maintenance d'un problème d'ordonnancement multicritère de type job shop, *Colloque Francophone sur les Performances et Nouvelles Technologies en Maintenance PENTOM'03* 9-10 Juillet 2007, Mons, Belgique. **Y. Harrath**, B. Chebel-Morello, N. Zerhouni, Using learning to find patterns in genetic algorithm solutions to solve job-shop scheduling, *in proceedings of the 6th International Conference on Industrial Engineering and Production Management - IEPM'03*, in CD ROM, 10 pages, 26-28 may 2003, Porto, Portugal.

Y. Harrath, B. Chebel-Morello, N. Zerhouni, A genetic algorithm and data mining to resolve a Job Shop Schedule, *in proceedings of the 8th IEEE International Conference on Emerging Technologies and Factory Automation - ETFA'2001*, vol. 2, pp.727-728, 15-18 october 2001, Antibes, Juan les Pins, France.

A. Dolgui, N. Gushinsky, G. Levin, **Y. Harrath**, Optimal Design of a Class of transfer Lines with Blocks of Parallel Operations, in proceedings of the IFAC Symposium on Manufacturing Modelling Management and Control: P. Groumpos and A. Tzes (Eds), Elsevier Science, 2001, pp. 36-41.

University and Community Service

Webmaster and designer of the Computer Science Department in the College of Computer Science and Engineering, University of Hail, Saudi Arabia.

Registrar Assistant, University of Ha'il, Saudi Arabia.

Coordinator of the Cooperation Education program, University of Ha'il, Saudi Arabia.

Coordinator of the Preparatory year program, University of Ha'il, Saudi Arabia.