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| **Professional Experience**  **1.Administrative Responsibilities**  - Director of Internships at the National School of Engineers of Sfax 2003-2005  - Member of the Scientific Council of the National School of Engineers of Sfax since 2005  - Member of the Committee of Masters, Doctoral and academic empowerment in specialty mechanical engineering since 2007  **2.Scientific Responsibilities**  - Project Engineer at the Research Center CLAIR in Aix in Provence, France 1989-1990  - Member of the Committee of National Competition for Aggregation in Mechanical Engineering, Tunisia, 1994-1997  - Member of the Tunisian Association of Mechanical  - Participation in national and international scientific events: presentation of papers, organization member and chairman of the conference sessions.  - Responsible for the continuing education of engineers in Electromechanical Engineering (engineering education in evening classes).  **Educational Activities**  **1.Lectures and labs provided**  Lessons provided at the National School of Engineers of Sfax, since 1990:  Integrated Course : modelling and simulation of production systems  Integrated Course : production management  Integrated over TP : technology production lines  Integrated over TP : technology special machines  Integrated over TP : technology and programming CNC machine tools  **2.Frames Project Graduation**  I supervised and participated in the supervision of sixty Projects End of Studies framed in the National School of Engineers of Sfax. I assured also other frames Final Project Studies students from other institutions such as ISET Sfax, Sfax the ISGI, the Engineering School ”IEGSI” La Rochelle, France .  **3.Participation in examination boards**  During the years of teaching, I participated in the evaluation of several projects graduation and memories and that as an examiner and chairman of the jury |
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| **Research Activities**  - Design, simulation and modeling of Production Systems  - Production planning  - Manufacturing system  - Industrial engineering and management  **Journal Papers :**  **1)** Omar Ayadi, NaoufelCheikhrouhou, Faouzi Masmoudi (2013). A decision supportsystem assessing the trust level in supply chains based on information sharingdimensions. Computers & Industrial Engineering, In Press  **2)** FaouziMasmoudi, WafikHachicha (2013). A simulation approach for cellularmanufacturing design from initial cell formation solutions. International Journal ofManufacturing Research Vol. 8: N° 1. pp. 85-102.  **3)** Mohamed Ayadi, Roberta Costa Affonso, Vincent Cheutet, FaouziMasmoudi, AlainRivière, Mohamed Haddar (2013) Conceptual model of information management fordesign in Digital Factory. International Journal of Simulation Modeling In Press.  **4)** Ahmed Ammeri, WafikHachicha, FaouziMasmoudi, HabibChabchoub (2013)Iterative simulation optimization approach based genetic algorithm for lot-sizingproblem in MTO sector. International Journal of Business Performance and SupplyChain Modelling (Special Issue on Advances in Logistics and Transport)  **5)** Said Taktak, WafikHachicha, FaouziMasmoudi (2012) A computer-assistedperformance analysis and optimization (CPAO) of manufacturing systems based onARENA simulation software. International Journal of Advanced Science andTechnology Vol. 39: pp. 93-106  **6)** Nadia Chaabane, RacemMellouli, FaouziMasmoudi, Chengbin Chu (2012) MILPmethods for the S–stage flexible flow shop scheduling problem. InternationalJournal of Modelling in Operations Management Vol. 2: N°. 2. 138-152  **7)** Omar Ayadi, NaoufelCheikhrouhou, FaouziMasmoudi (2012) A new formulation ofthe two–dimensional cutting–stock problem with consideration of demand planning. International Journal of Advanced Operations Management Vol. 4: No. 1. pp. 27-61  **8)** Ahmed Ammeri, WafikHachicha, HabibChabchoub, FaouziMasmoudi (2011) Acomprehensive litterature review of mono-objective Simulation Optimizationmethods Advances in Production Engineering & Management (APEM) Vol. 6: N°. 4.pp. 291-302  **9)** Ahmed Mellouli, FaouziMasmoudi, ImedKacem, Mohamed Haddar (2010) A HybridGenetic Algorithm for Optimization of Two-dimensional Cutting-Stock Problem.International Journal of Applied Metaheuristic Computing Vol. 1: N°. 2. pp. 34-49  **10)** WafikHachicha, Ahmed Ammeri, FaouziMasmoudi, HabibChabchoub (2010) Amulti-product lot size in make-to-order supply chain using discrete event simulationand response surface methodology International Journal of Services, Economics andManagement Vol. 2: N° 3-4. 246-266  **11)** WafikHachicha, Faouzi Masmoudi, Mohamed Haddar (2009) Plans d’expérienceet analyse des corrélations pour la résolution du problème de formation de cellulesavec gammes alternatives. Revue Mécanique & industries (EDP Sciences) Vol. 10: N°5. pp. 337-350  **12)** MohsenAkrout, Faouzi Masmoudi (2009) Fonction Ordonnancement au Seind'un système de gestion de Production "étude d'un cas".Lebanese Science JournalVol. 10: N°. 1.  **13)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2008) CombiningAxiomatic Design and Designed Experiments for cellular manufacturing systemsdesign framework. International Journal of Agile systems and Management Vol. 3: N°3-4. 306-319  **14)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2008) Formation ofmachine groups and part families in cellular manufacturing systems using acorrelation analysis approach. International Journal of Advanced ManufacturingTechnology (Springer) Vol. 36: N° 11-12. pp. 1157-1169  **15)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2008) A Taguchi methodapplication for the routing selection problem in generalized group technology. International Journal of Materials and Structural Integrity Vol. 2: N° 4. pp. 396-406  **16)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi, ArefMaalej (2008).Analysis of cellular manufacturing systems in the presence of machine breakdowns:Effects of intercellular transfer. Journal of Manufacturing Technology Management, 19: 2. 235-252;  **17)** FaouziMasmoudi, WafikHachicha, ZoubeirBouaziz (2007). Developement of awelding cost estimation model based on the feature concept. Advances in ProductionEngineering & Management Vol. 2: N° 4. pp. 149-162  **18)** FaouziMasmoudi, ZoubeirBouaziz, WafikHachicha (2007) Computer-aided costestimation of weld operations. International Journal of Advanced ManufacturingTechnology Vol. 33: N° 3-4. pp. 298-307  **19)** RiadhChaari, JamelLouati, FaouziMasmoudi, Mohamed Haddar (2007) ATensorial Modeling Of The 3 D influence of the Fixture errors on the OrientationalGeometric Specifications Advances in Production Engineering & Management 2: 1.5-17  **20)** MounirElleuch, FaouziMasmoudi, Habib Ben Bacha, ArefMaalej (2007)SIMULATION OF MANUFACTURING CELLS WITH UNRELIABLE MACHINES. International journal of simulation modeling 6: 1. 5-12  **21)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi (2007). Improvement ofmanufacturing cells with unreliable machines Reliability: Theory & Applications 2:3-4. 54-59 December  **22)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi, ArefMaalej (2007).Maintenance policy selection for cellular manufacturing: a simulation study. International Journal of Manufacturing Research, 2: 3. 329-340  **23)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2007) An improvement ofa cellular manufacturing system design using simulation analysis. Internationaljournal of simulation modeling Vol. 6: N° 4. pp. 193-205 December 2007  **24)** ZoubeirBouaziz, FaouziMasmoudi (2006). Manufacturing Simulation: ComputerAided Tolerancing for Process PLannig. International journal of simulation modeling5: 1. 5-15  **25)** FaouziMasmoudi (2006). Sizing Manufacturing cell machines based on theSimulation and an expert system. International journal of simulation modeling 5: 2.45-55  **26)** FaouziMasmoudi, YassineMasmoudi, ArefMaalej (2006) Optimization ofProduct Transfer with Constraint in Robotic Cell Using Simulation. InternationalJournal of Simulation Modelling 5: 3. 89-100 Sept  **27)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2006) A correlationanalysis approach of Cell Formation in cellular manufacturing system withincorporated production data. International Journal of Manufacturing Research Vol.1: N° 3. pp. 332 - 353 |
| **Conference Papers :**  **1)** MounaDerbel, HabibChabchoub, WafikHachicha, FaouziMasmoudi (2013)Measuring the Impact of (s, S) Ordering Policy on the Bullwhip Effect by means ofSimulation Optimization In: International Conference on Advanced Logistics andTransport (ICALT’2013), PP. 482-487 29-31 May 2013, in Sousse Tunisia: IEEE  **2)** Ahmed Ammeri, Mohamed ChedlyDammak, HabibChabchoub, WafikHachicha,FaouziMasmoudi (2013) A Simulation Optimization Approach-based GeneticAlgorithm for Lot Sizing Problem in a MTO Sector In: International Conference onAdvanced Logistics and Transport (ICALT’2013), pp. 476-481 29-31 May 2013, inSousse Tunisia: IEEE  **3)** Nadia Chaabane, RacemMellouli, FaouziMasmoudi, C Chu (2012) Metaheuristic forS-stage Flexible Flow Shop scheduling problem with availability constraints In: 4thInternational Conference on Metaheuristics and Nature Inspired Computing,META’2012, 27-31 October, Sousse Tunisia  **4)** Ahmed Ammeri, WafikHachicha, FaouziMasmoudi, HabibChabchoub (2011) Acomparative study of lot sizing problem in MTO supply chain based on simulationoptimization approach In: Proceeding of the 4 th International Conference onLogistics "LOGISTIQUA 2011", Mai 31-June 3 2011, Hammamet Tunisia pp. 317-322,IEEE Xplore  **5)** Hager Triki, WafikHachicha, FaouziMasmoudi (2011) A conceptual designframework of production line systems based on axiomatic design : case of assembleline In: 4ième Congrès International Conception et Modélisation des SystèmesMécaniques CMSM’2011, 30 May- 1 June 2011, Sousse, Tunisia.  **6)** WafikHachicha, FaouziMasmoudi, Ahmed Ammeri, HabibChabchoub (2010) Casestudy for Lot-Sizing Problem in MTO Supply Chain based on simulation optimizationapproach In: 8th International Conference of Modeling and Simulation; “Evaluationand optimization of innovative production systems of goods and services”MOSIM’10; May 10-12, 2010 - Hammamet – Tunisia.  **7)** Omar Ayadi, NaoufelCheikhrouhou, FaouziMasmoudi (2010) Assessment ofcustomer trust level in supply chains based on information sharing dimensions. 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CIE 2009221-226  **10)** WafikHachicha, Faouzi Masmoudi, Mohammed Haddar (2008) Choix entre lesstratégies d’élimination des éléments exceptionnels en Technologie de Groupe parsimulation In: Premier Congrès Tunisien de Mecanique 17-19 Mars 2008,Hammamet Tunisie:  **11)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2008) Taguchi Methodapplication for the part routing selection in generalized Group Technology : a casestudy In: The 4th International Conference on Advances in Mechanical Engineeringand Mechanics Edited by:ICAMEM 2008. 16-18 December, 2008, Sousse, Tunisia  **12)** FaouziMasmoudi, WafikHachicha, Mohamed Haddar (2008) A New CombinedFramework for the Cellular Manufacturing Systems Design In: The 2008International Conference of Manufacturing Engineering and EngineeringManagement (ICMEEM 2008) Edited by:World Congress on Engineering 2008.IAENG London, U.K., 2-4 July, 2008:  **13)** WafikHachicha, Faouzi Masmoudi, Ahmed Ammeri, Sami Abidi (2008)Intégration du contrôle automatique dans la maîtrise statistique des procédés In:Conférence internationale sur le thème : Maîtrise et Management des RisquesIndustriels (M2RI'2008) Oujda, Maroc: to bepublished - 24 et 25 Avril 2008.  **14)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2008) A simulation basedmethodology for dealing with exceptional elements in cellular manufacturing In:The 2008 International Conference of Manufacturing Engineering and EngineeringManagement (ICMEEM 2008) World Congress on Engineering 2008. 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In: Proceedings of thesecond International Industrial Engineering Conference IIEC, December 19-21 2004Riyadh – Saudi Arabia.  **22)** Mounir Elleuch, Habib Ben Bacha, Faouzi Masmoudi (2003) Amélioration de la disponibilité des cellules de production In: Troisième Conférence Internationale -Conception et Production Intégrées CPI, Octobre 22-24, Meknes, Maroc.  **23)** Faouzi Masmoudi, Yassine Masmoudi (2003) Optimisation des cycles de transfert des produits dans une cellule flexible robotisée In: 3ème Conférence Internationale Conception et Production Integré; Octobre 22-24, Meknes, Maroc |