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| First Name :FaouziLast Name :MASMOUDIOccupation : ProfessorSpeciality : Mechanical EngineeringAffiliation : the research laboratory of mechanics, modelling and manufacturing (LA2MP)Phone :(+216) 52 63 84 08Fax :(+216) 74 666 535E-mail :faouzi.masmoudi@enis.rnu.tnPostal Adress :National School of Engineers of Sfax,(ENIS) BP. 1173 - 3038 SfaxTunisie |  |
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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 systemsIntegrated Course : production managementIntegrated over TP : technology production linesIntegrated over TP : technology special machinesIntegrated 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. In8th International Conference of Modeling and Simulation In: In:8th InternationalConference of Modeling and Simulation; “Evaluation and optimization of innovativeproduction systems of goods and services” MOSIM’10; May 10-12, 2010 –Hammamet- Tunisia**8)** Ahmed Ammeri, WafikHachicha, HabibChabchoub, FaouziMasmoudi (2010) Acomprehensive literature classification of Simulation-Optimization methods In: The9th International Conference on Multiple Objective Programming and GoalProgramming - MOPGP10 - May 24-26, 2010 - Sousse - Tunisia**9)** Omar Ayadi, NaoufelCheikhrouhou, Ahmed Mellouli, FaouziMasmoudi (2009) Ahybrid heuristic to solve the two dimensional cutting stock problem withconsideration of forecasts In: Computers & Industrial Engineering, 2009. 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. London, U.K., 2-4 July, 2008.**15)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi (2007) Improvement ofmanufacturing cells with unreliable machines In: Summer Safety & ReliabilitySeminars "SSARS 2007" 109-114 , july 22-29, Sopot, Poland: Polish Safety andReliability Association**16)** Mounir Elleuch, Habib Ben Bacha, Faouzi Masmoudi, ArefMaalej (2007)Détermination par simulation d’une politique de maintenance pour les systèmes deproduction cellulaire In: Deuxième congrès international de conception etmodélisation des systèmes mécaniques "CMSM-2007", March 19-21, Monastir,Tunisia**17)** WafikHachicha, FaouziMasmoudi, Mohamed Haddar (2006) Principalconponent analysis for machine-part cell formation in Group Technology In: TheThird International Conference on Advances in Mechanical Engineering andMechanics (ICAMEM 2006) Hammamet, Tunisia: December**18)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi, ArefMaalej (2005)Improvement of manufacturing cells with unreliable machines In: InternationalConference on Advances in Materials, Product Design and Manufacturing Systems(ICMPM). ). Proceedings of ICMPM 2005, ,December 12-14, 2005, India.**19)** WafikHachicha, Faouzi Masmoudi, ZoubeirBouaziz (2005) Modèle d'estimationdes coûts des assemblages soudés In: Le 17 ème Congrès Français de Mécanique(CFM 2005) -29 août au 2 septembre 2005 L’Université de technologie de Troyes -France:**20)** Mounir Elleuch, Faouzi Masmoudi, Habib Ben Bacha (2004). Simulation analysisof manufacturing cell: impact of breakdowns In: Proceedings of the secondInternational Conference on Advances in Mechanical Engineering ICAME, March 24-26 2004, Sousse, Tunisia.**21)** MounirElleuch, Habib Ben Bacha, FaouziMasmoudi (2004) Modelling andsimulation of manufacturing cells with unreliable machines. 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 |