Wednesday, 21

Session	Ref. Authors, title
W1.1 Special Session "Healthcare Management and	25 Farid Kadri, Fouzi Harrou, Ying Sun, Sondes Chaabane and Christian Tahon. Early Detection of Abnormal Patient Arrivals at Hospital Emergency Department
Engineering I"	26 Karim Ghanes, Oualid Jouini, Mathias Wargon and Zied Jemai. Modeling and analysis of triage nurse ordering in emergency departments
	82 Fabiola Fernandez-Gutierrez, Jonathan I. Kennedy, Shang-Ming Zhou, Roxanne Cooksey, Mark Atkinson and Sinead Brophy. Comparing feature selection methods for high-dimensional imbalanced data: identifying rheumatoid arthritis cohorts from routine data
	147 Xiaochen Zheng and Joaquín Ordieres-Meré. Detection and Analysis of Tremor Using a System Based on Smart Device and NoSQL Database
	159 Alain Guinet and Roberto Faccincani. Hospital's Vulnerability Assessment
W1.2 Special Session "Healthcare Management and	197 Salim Rostami, Thierry Garaix and Xiaolan Xie. Outpatient Appointment Scheduling for Chemotherapy Sessions 193 Fermín Mallor, Cristina Azcárate, Julio Barado and Laida Esparza. Optimal bed-control in an ICU when elective patient's arrivals are known. A simulation-based optimization approach
Engineering II"	195 Permini malani, Cristina Azcares, mino anada una ini Laura Espata. Opinina in un ini mico winen tereture patienti sa frivata are kriowi. A simulation-based opininization approach 215 Daoula Alane, Adnen El Amraoul and Khaled Mesphouni. A new optimization approach for a hone health care problem
Lighteering ii	43 Abdelahad Chraibi, Kharraja Said, Ibrahim Osman and Omar El Beqqali. Optimization of Dynamic Operating Theatre Facility Layout
	194 Imene Elhachfi Essoussi. A performance evaluation of some collaborative inventory management practices in the healthcare supply chain
	127 Pilar I. Vidal-Carrreras, Julio J. García-Sabater, Juan A. Marín-García and Jose P. García-Sabater. Value Stream Mapping on Healthcare
-	228 Yafang Tsai and Shin-Wang Wu. New concept of nurse education for service innovation-A perspective of internal marketing
	90 Francesco Zammori, Massimo Bertolini and Giovanni Romagnoli. Assessing performance of Work Load Control in High Variety Low Volumes MTO job shops: a simulative analysis
W1.3 Special Session "Applying lean in the non-Make-To	
Stock sector: criticalities, solutions and applications"	96 Francesco Stefanelli, Maurizio Bevilacqua and Ilaria De Sanctis. Adaptability into Supply Chain Strategy: the adaptable PCSA framework
	113 Massimo Bertolini, Giovanni Romagnoli and Francesco Zammori. Simulation of two hybrid production planning and control systems: a comparative analysis
	184 Carina Pimentel and Sandra Martins. Design and Implementation of a Manufacturing Cell in a Job Shop Environment: An Action Research Study
	75. Anne Francine Souza Martins, Roberta Costa Affonso, Simon Tamayo, Samir Lamouri and Christine Baldy Ngayo. Relationships between national culture and Lean Management: a literature Review 11. Mahmoud Awad. Reliability Growth Test Planning of Repairable Systems Using Subsystem Failure Distribution Data
W2.1 S2 Special Session "Reliability and maintenance I"	45 Zhu Haiping, Huang Dan, Yin Hui, Deng Yuhoo and Tian Zhipeng. An economic optimal model integrating statistical process control and preventive maintenance
,,	88 Zied Hajej, Nidhal Rezg and Anis Chelbi. Optimization of Power Generation and Maintenance for a Wind Turbine under Stochastic Climatic Conditions
	109 Hennie Husniah, Rachmawati Wangsaputra and Bermawi P. Iskandar. LEASED EQUIPMENT CONTRACT WITH SERVICING STRATEGY AND PREVENTIVE MAINTENANCE
	120 Ezzedine Wajih, Schutz Jérémie and Rezg Nidhal. Proportional Hazards Modeling of a Pitot Tube Reliability and survivability
	121 Joaquim Moreira, Manuel Pereira Lopes and Paulo Ávila. Shopping centers maintenance management performance: a case study
·	167 Amir Ebrahimyzadeh, Sasan Barak, Hamidreza Maghsoudlou and Mehdi Toloo. Multi-objective particle swarm optimization for preventive maintenance
W2.2 Special Session "Reliability and maintenance II"	204 Quan Liu, Ayeley Tchangani, Bernard Kamsu and François Pérès. Modelling a large scale system for risk assessment
	242 Afshin Jamshidi, Samira Abbasgholizadeh Rahimi, Daoud Ait-Kadi and Angel Ruiz. Dynamic risk modeling and assessing in maintenance outsourcing projects with FCM
	266 Mohamed Anouar Jamali, Nizar El Hachemi, Abdelhakim Artiba and Abdessamad Alt Elcadi. Generalizing of the integration of noncyclical preventive maintenance scheduling and production planning for a series-parallel production line
	140 Fredy Kristjanpoller, Mónica A. López-Campos, Pablo Viveros and Adolfo Crespo. Reliability assessment based on energy consumption as a failure rate factor 145 Pravin Tambe and Makarand Kulkarni. Cost Based Failure Consequence Approach for Identifying Critical Components for Maintenance Support Decision
W2.3 Special Session "Scheduling under resources and	149 Prawin ame and wakaranin kolikarin. Cost based rating to Consequence Approach on one tenunying Critical Components for water and americanic support Decision. 100 Mohamed Karim Haiji, Hatem Hadda and Najioua Jordi. A heuristic procedure for the two-stage hybrid flow shop problem with dedicated machines.
temporal constraints"	142. Ayoub Alami Massundi and Mohamed Benbrahim. New heuristics to minimize makespan for two identical parallel machines with one constraint of unavailability on each machine
	150 Ahmed Gara-Ali and Marie-Laure Espinouse. A two-machine flow-shop scheduling with a deteriorating maintenance activity on the second machine
	160 Abdessamad Alt El Cadi, Rachid Benmansour, Faiza Serraj and Abdelhakim Artiba. A joint optimization-simulation model to minimize the makespan on a repairable machine
	212 Christophe Wilbaut, Rachid Benmansour, Oliver Braun and Saïd Hanafi. Iterative relaxation-based heuristic for the single-processor scheduling problem with time restrictions
	238 Pierre Baptiste, Djamal Rebaine and Mohammed Zouba. Approximation schemes for scheduling jobs on two identical parallel machines with a single operator in a free changing mode
W3.1 Regular Session "Logistics I"	87 Anne-Laure Ladier and Gülgün Alpan. Integrating truck scheduling and employee rostering in a cross-docking platform - an iterative approach
	129 Jorge Victoria, H. Murat Afsar and Christian Prins. Vehicle Routing Problem with Time-Dependent Demand in Humanitarian Logistics
	136 Da Xu, Muhammad Ali Memon and Bernard Archimede. An environment friendly method to generate dynamic transportation routing in a distributed context
	132 Essia Ben Alaia, Imen Harbaoui Dridi, Hanen Bouchriha and Pierre Borne. Insertion of new depot locations for the optimization of multi-vehicles Multi-Depots Pickup and Delivery Problems using Genetic Algorithm 163 Maher Agi. Analysis of The Influence of Organisational and Inter-Organisational Factors on the Implementation of Green Supply Chain Management Practices
	195 Cécilia Daquin, Gilles Goncalves, Hamid Allaoui and Tienté Hsu. Neighborhood Strategies for the Implementation of Green Supply Claim Management Problem in Cross-Docks
W3.2 Regular Session "Logistics II"	71. Alicia Garcia, Study of alternative operation strategies in railroad seminals using simulation
	73 Imen Harbaoui, Essia Ben Alaia and Pierre Borne. Heuristic Approach for The Optimization of The Dynamic Multi-Vehicle Pickup and Delivery Problem with Time Windows
	244 El Hassan Laaziz. A comparison of intermodal transportation service network design models
	255 Luis A. Moncayo-Martinez. A Multi-objective approach based on Rank Ant System to Configure Logistics Networks
	236 Asmae El Mokrini, El Mouloudi Dafaoui, Abderrahman El Mhamedi and Abdelaziz Berrado. A Decision Framework for Outsourcing Logistics in the Pharmaceutical Supply Chain
	210 Riad von der Linde and Lars Moench. A Sampling Approach to Solve the Vehicle Routing Problem with Time Windows and Stochastic Travel Times
W3.3 Regular Session "Supply Chain"	164 Roberto Domínguez, Salvatore Cannella and Jose M Framinan. On the Evaluation of Arborescent Supply Chains with Inventory Errors
	176 Hannah Santos, Javier González Benito and Gustavo Lannelongue. Supply Chain Management and Performance: a Bibliometric Analysis
	185 Eduardo Pacheco, Ricardo Lüders and Ana Póvoa. Performance Metrics for a Supply Chain Subject to Stochastic Demand 9 Joaquim Jorge Vicente, Susana Relvas and Ana Paula Barbosa-Póvoa. Bullwhip effect metrics for multi-echelon systems under order batching policies with cyclic demand
	9 Joaquim Jorge Vicente, Susana keivas and ana vaula Batrosa-ravova. Bullwinip errect metrics for multi-ecnetion systems under order batching policies with cyclic demand 125 Figur Gungor and Steve Evans. ADRESSING ENVIRONMENTAL AND ECONOMIC IMPACTS OF CHANGOVER OPERATIONS THROUGH AND INFORMING STRATEGIES
	222 Egan danger and state craims including attributioning introduction of annotation of introduction of state of the control o
W4.1 Student Paper Competition (I)	168 Victor Fernandez-Viagas and Jose M Framinan. Boundary lines between Flowshop Problems and Single Machine Problems
	170 Manuel Dios and Jose Manuel Framinan. Constructive Heuristics Comparison in Hybrid Flow Shop Scheduling Environments with Missing Operations
	1/0 Manuel Dios and Jose Manuel Framinan. Constructive Heuristics Comparison in Hydrid Flow Shop Scheduling Environments with Missing Operations 34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse
	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Alt-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis
	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Air-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung. Multimodal multi-flow problem with transformation: application to waste supply chain
W4.2 Student Paper Competition (II)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Ait-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbouat Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung, Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Şule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain
W4.2 Student Paper Competition (II)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Ait-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung, Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Şule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafsa, Brigitte Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions
W4.2 Student Paper Competition (II)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Air-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung. Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Şule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafsa, Brigitte Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains
W4.2 Student Paper Competition (II)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Air-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung, Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Sule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafsa, Brigittet Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gustpa, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 152 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rosa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs
W4.2 Student Paper Competition (II)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Alpham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Alt-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung, Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Şule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafas, Brigitte Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 152 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rosa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs 165 Lazhar Tilli, Mehdi Radhoui and Anis Chelbi. Availability optimization of periodically inspected production systems generating environmental damage
	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Air-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung. Multimodal multi-flow problem with transformation: application to waste supply chain 85 Wael Haffas, Brigitle Chebel-Morello, Kamal Medjaher and Noureddine Zerhoun. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 152 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rosa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs 165 Lazhar Tilli, Mehdl Radhoui and Anis Chelbia. Availability optimization of periodically inspected production systems generating environmental damage 177 Siham Lakri and Zied Jemai. Performance Measurement and Management Systems of Supply chains: A review of the challenges they raise
W4.2 Student Paper Competition (II) W4.3 Student Paper Competition (III)	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Alt-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung. Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Spule Onsel Ekit. Cost and Benefier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafsa, Brigitte Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 125 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rossa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs 165 Lazhar Tilli, Mehdi Radhoui and Anis Chelbi. Availability optimization of periodically inspected production systems generating environmental damage 177 Siham Lakri and Zied Jemai. Performance Measurement and Management Systems of Supply chains: A review of the challenges they raise 126 Abroon Qazi, John Quigley, Alex Dickson and Konstantinos Kirytopoulos. Modelling Project Complexity driven Risk Paths in New Product Development
	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Abraham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Air-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung. Multimodal multi-flow problem with transformation: application to waste supply chain 85 Wael Haffas, Brigitle Chebel-Morello, Kamal Medjaher and Noureddine Zerhoun. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 152 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rosa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs 165 Lazhar Tilli, Mehdl Radhoui and Anis Chelbia. Availability optimization of periodically inspected production systems generating environmental damage 177 Siham Lakri and Zied Jemai. Performance Measurement and Management Systems of Supply chains: A review of the challenges they raise
	34 Manuel Bustillo, Borja Menéndez Moreno, Eduardo García Pardo and Alpham Duarte. An algorithm for batching, sequencing and picking operations in a warehouse 223 Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Alt-Kadi and Angel Ruiz Bartolome. Risk-based decision making framework for prioritizing patients' access to healthcare services by considering uncertainties 6 Maryam Gallab, Hafida Bouloiz, Emmmanuel Garbolino and Mohamed Tkiouat. Model for Developing a Database for Risk Analysis 146 Quentin Tonneau, Nathalie Bostel, Pierre Dejax, Romain Hospital, Valérie Mülhaupt and Thomas Yeung, Multimodal multi-flow problem with transformation: application to waste supply chain 84 Abroon Qazi, John Quigley, Alex Dickson, Barbara Gaudenzi and Şule Önsel Ekici. Cost and Benefit Analysis of Supplier Risk Mitigation in an Aerospace Supply Chain 85 Wael Hafas, Brigitte Chebel-Morello, Kamal Medjaher and Noureddine Zerhouni. Prognostics of Health Status of Multi-component Systems With Degradation Interactions 123 Kunal Kumar, Christian Javier Clavijo Lopez, Oscar Augusto Tellez Sanchez, Amit Gupta, Olivier Peton, Thomas Yeung and Adrien Vanuxem. Integrated strategic and tactical optimization of animal-waste sourced biopower supply chains 152 Margaux Nattaf, Christian Artigues, Pierre Lopez, Rosa Medina, Victor Parada and Lorena Pradenas. A batch sizing and scheduling problem on parallel machines with different speeds, maintenance operations, setup times and energy costs 165 Lazhar Tilli, Mehdi Radhoui and Anis Chelbi. Availability optimization of periodically inspected production systems generating environmental damage 177 Siham Lakri and Zied Jemai. Performance Measurement and Management Systems of Supply chains: A review of the challenges they raise 256 Abroon Qazi, John Quigley, Alex Dickson and Konstantinos Kirytopoulos. Modelling Project Complexity driven Risk Paths in New Product Development 252 Oussama Masmoud, Alice Yalaoui, Yassine Ouazene and Hicham Chehade. A multi-level capacitated lot-sizing problem wit

Preliminary Schedule

Session	Ref. Authors, title
T1.1 Special Session "Realistic manufacturing	24 Ketrina Katragjini, Eva Vallada and Rubén Ruiz. Rescheduling flowshops under simultaneous disruptions
scheduling I"	15 Luis Fanjul, Federico Perea and Rubén Ruiz. Algorithms for the Unrelated Parallel Machine Scheduling Problem with additional Resources 17 Rubén Ruiz and Quan-Fe Pan, Simole greedy methods for scheduling which they dark
	17 Nubert Natz alat Qualit-Ne zells. Simple geory metrious for Scheduling hydro involvable with code and without a code and a company of the code and a co
	40 Julián Andrés Zapata, Martin Darío Arango and Carlos Andrés. Metaheurístics For Goods Distribution
	245 Sylverin Kemmoé T., Damien Lamy and Nikolay Tchernev. A Metaheuristic based on Simulation for Stochastic Job-Shop Optimization
T1.2 Special Session "Realistic manufacturing scheduling II"	268 Sar Hatami, Rubén Ruiz and Carlos Andrés-Romano. Heuristics for a Distributed Parallel Machine Assembly Scheduling Problem with Eligibility Constraints 44 Kathrin Beneik, Kurt Jonnstea and Rainer Leisten. Variability Apacets in Roswnop Scheduling Systems
Schooling ii	44 Naturni Derinet, Nat. Dornstein and National Exestein. Variability Species in rivisiving Sciencial Space in Space in Control of Space in Contro
	99 Sonja Rohmer and Jean-Charles Billaut. A two-agent model for production and outbound distribution scheduling
	235 Bahman Naderi and Mehdi Yazdani. A mathematical model for the general reentrant shop scheduling
T1.3 Special Session "Sustainable Supply Chains and	12 Youcef Bereriche and Daoud Alt Kadi. Reliability Analysis of Supply Chain for Contingency Operations
Logistics I"	23 luis J. Edellos, Carlos A. Barbosa Povos. Risk MedSURSE N. MULTI-STAGE STOCHASTIC SUPPLY CHAIN APPROACH
	42 Gracia Buiza-Camacho, María Del Mar Cerbán, Sara Cepolina, Olivera Djordjevic, Aleksandar Dobrijevic and Cristina González-Gaya. Current situation of the Mediterranean container ports regarding the operational, energy and environment areas
	124 Bruna Mota, Ana Carvalho, Isabel Gomes and Ana Barbosa-Póvoa. Green supply chain design and planning
	138 Hennie Husnish and Asep K. Supriatna. Optimal Number of Fishing Fleet with a Maintenance Contract for a Sustainable Fishery Industry with a Generalized Logistic Production Function 10 Hann-Otto Günther, Matthis Kanne
T1.4 Special Session "Sustainable Supply Chains and	19 Fabio Fontes and Gilles Goncalves. Routing Problem with Pendular and Cyclic Service in a Hierarchical Structure of Husband Spoke with Multiple Allocation of Sub-Hubs
Logistics II"	230 Breno Barros Telles Do Carmo, Pierre Baptiste and Manuele Margni. Method to support the biofuel supplier choice: a LCA approach
	213 Nadia Ndhalef, Olivier Bistorin and Nidhal Rezg. Problem Analysis of Logistic Platform based on Combined Forward and Reverse Flows: a Case Study
	28 Pacido Moreno, Belarmino Adenso-Diaz, Sebastián Lozano and Santiago Garcia. Influence of the environmental impact of logislatics operations on the centralization strategy 28 Renaud Allianna-Kessler, Delike Morana, Jesus Gonzia-E-rellu. Hamid Alliousi and Luc Downs. Tability around the Honer-LSP in Feront distribution channels — "Prev-Predator" modeline
	260 Pierre Fenies, Frédéric Gautier and Norbert Lebrument. An approach for the valorization of competitive intelligence practices in SMS supply chains
T2.1 Special Session "Supply Chain Dynamics"	67 Shouyu Ma, Ziad Jemai, Evren Sahin and Yves Dallery. Assortment decision in the Multi-Product News-Vendor Problem with Demand Substitution
	77 Xun Wang and Stephen Disney. Reducing Order and Inventory Variability under Stochastic Lead-time and Correlated Demand
	78 Qinyun Li and Stephen Disney. On Net Stock Amplification in the Damped Trend Order-Up-To System 102 Francisco Campuzano-Bolani, Josefa Mulai and Manuel Diaz-Madriforder, a Ausply chain dynamics model for managing perishable products under different e-business scenarios
	104 Meriam Jardioui, Semaa Alami and Chafik Okar. What are the critical success factors for the implementation of supply chain performance measurement system in SMEs
	15S Salvatore Cannella, Roberto Dominguez, Jose M. Framinan and Manfredi Bruccoleri. INSIGHTS ON PARTIAL INFORMATION SHARING IN SUPPLY CHAIN DYNAMICS
T2.2 Special Session "Modelling, Simulation and	69 Wester Schoonenberg, Jesse Hols and Ali Diabat. A Cost Based Approach for a Crane Assignment and Scheduling Problem
Optimization of Transport Systems"	93 Nedra Ben Taarit. A New Clustering Algorithm for the Inventory Routing Problem 157 Soulil Moussan and Tarek Bourkit. Artificial Bee Colony Algorithm for Cottainal Reactive Power Dispatch Problem
	137 SUMM MOUASSA dHID LEFE SOUNCH. AN URLIAG DEV CUMPY APPORTUNITY APPORTUNITY AND APPORTUNITY APPORTU
	180 David Canca, Eva Barrena and Alicia De Los Santos. On Setting Line Frequencies and Capacities in Dense Railway Rapid Transit Networks
70.00	209 Zeineb Baklouti, Marko Mladenovic, David Duvivier and Rabie Ben Atitaliah. Adaptive solution for 2D path planning
T2.3 Special Session "Supply Chain Optimization in Healthcare Systems"	39 Farid Kadri, Sondés Chasbane, Christian Tahon and Abdelghani Bekrar. Resilience-Based Performance Assessment of Strain Stutistions in Emergency Departments 106 Zahin Raij Salimi, Majidi Salimi, Jaqueus Renaud and Angel Ruiz. Departing a biomedical samples' abboratories restwork under stochastic demand
nealtricare systems	100 Zarilar kinj i, milkinji Salari, Jacques heriadu ario vinger kouz. Operating a biometicula sampines adovalorines heriwork uniner socionasio centralio 190 Dorsaf Daldoul, Issam Nousouri, Hanne Bouchhan and Hamid Allaoui, Ostimization on Human and Marterial Resources is Emergency Department
	257 Driss Serrou and Abdellah Abouabdellah. Study pharmacies grouping impact on the performance of the hospital supply chain.
	189 Kaoutar Jenoui and Abdellah Abouabdellah. Conception and implementation of a decision support system heuristic for selecting suppliers in the hospital sector
T2.4 Regular Session "Production II"	18 Elenne Joubert, Marie-Alix Espinasse and Michel Nakhla, Patients flow optimization in ED: an operational research on the impacts of physician triage 227 Abdessand All Et Gold, Rabb en Attailab, New Marie New Niphorhood Search (VNS) metaberusitis for Multiprocessor Scheduling Problem with Communication Delays
12.4 Regular Session "Production II"	227 Aobessamad Art Et Jado, Habite Bern Attitalian, Nersian Misabenovic and Aobensamin Artios. A variance Neignborrooto-sericin (Nos), metaherustris for in Multiprocessor Scheduling Problem with Communication Delays 190 Romain Micho, Franck Fortalisti, Janothe Jacques and Bernard Millian. A Wish Scheman-Orben MRP: Towards and Objective Comparison
	234 Mehdi Yazdani and Bahman Naderi. Three algorithms for university course timetabling problems
	200 Idris Lalami, Yannick Frein and Jean-Phillippe Gayon. A model for master production scheduling in automotive powertrain plants: a case study
	137 Battalo Olgo, Delorme Xavier, Dolgul Alexandre, Finel Brightte and Grimaud Friedric. Flow Line Balancing Problem: a survey 5 Salem Alaxyammah and Sased Amhemhali. MIZBO INTEGER PROGRAMMING MODEL TO SQUE QULAY CRAME ASSIGNMENT AND SCHEDULING PROBLEM
T3.1 Regular Session "Human factors, Safety and	55 Salem Alyammahi and Saeed Almenhaii. MIXED INTEGER PRIOGRAMMINIS MODEL TO SQUYE QUAY CRANE ASSIGNMENT AND SCHEDULING PROBLEM 22 Irian Malarow, Rifat Khabiblini, Eduard Belayer, Vadim Maviri and Reyemy Verkin. Creating a Safe Working Revironment by America Frameters Workstations on the Assembly Conveyor
Quality"	191 Bourgane Lalla and Cherkaou Abdelghan. Towards an explicative model of human cognitive process in a hidden hazardous situation and a cognitive ergonomics intervention in railway environment
	216 Achraf Ammar, Henri Pierreval and Sabeur Elkosantini. A multiobjective simulation optimization approach to define teams of workers in stochastic production systems
	117 Li-Ming Chen. How Does a Responsible Supplier Control its Production under the Opportunity of Demand Expansion?
T3.2 Regular Session "Industrial processes"	37 Christophe Duhamel, Benjamin Vincent, Nikolay Tchernev and Libo Ren. Support Vector Machine and Monte Carlo Simulation for Robust Optimization of Industrial Processes
T3.2 Regular Session "Industrial processes"	60 Dariusz Horla and Adam Owczarkowski. LQR ROBUST CONTROL STRATEGIES FOR 4DOF MODEL OF UNMANNED BICYCLE ROBOT WITH REACTION WHEEL
T3.2 Regular Session "Industrial processes"	60 Darius: Horla and Adam Owczańcowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCUE. ROBOT WITH FEACTION WHEEL 246 Hichem Haddou Benderski, Mohammed Dahane and tyse Benyouce. A new Robustness inches for machines selection in Reconfigurable Manufacturing System
T3.2 Regular Session "Industrial processes"	60 Darius: Horla and Adam Owczańcowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCUE. ROBOT WITH FEACTION WHEEL 246 Hichem Haddou Benderski, Mohammed Dahane and tyes Benyoucef. A new Robustness inches for machines selection in Reconfigurable Manufacturing System 47 Haslina Abdulliah, Ritsauddin Ramil, Duruzidah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airtime Motion with an Ant Colony Algorithm 233 Zennir Younger and Bendelli Risk, Modeling and Dependability Analysis of an Industrial Plantar Case Study
	60 Dariusz Horla and Adam Owczarkowski. LOR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BICYCLE ROBOT WITH EEACTION WHEEL 246 Hichem Haddou Benderbal, Mohammed Dahane and Lyes Benyoucef. A new Robustness index for machines selection in Reconfigurable Manufacturing System 47 Hashina Abdullah, Rizaudin Ramil, Duzraldah Add Wahab and Jaber Abu Quideir. Miniminising Machining Airtime Motion with an Ant Colony Algorithm 233 Zennir Youcef and Bendib Raid. Modelling and Dependability Analysis of an Industrial Plant: Case Study 169 Zennir Youcef and Bendib Raid. The Dependability (Control Analysis, Capiled to centrifugal pumps in a oil petrochemical plant
T3.2 Regular Session "Industrial processes" T3.3 Regular Session "Production I"	60 Darius Horla and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH FEACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahame and tyes Benyoucef. A new Robustness includes for machines selection in Reconfigurable Manufacturing System 47 Haslina Abdulliah, Rizauddin Ramil, Duzuriadh Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airtime Motion with an Ant Colony Algorithm 233 Zennir Youcef and Bendib Riad. Modeling and Dependability Analysis. Applied to centrifugal pumps in a oil percohemical plant 110 Egaper Grands, Erric Porsa and El GroanZele. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production
	60 Darius: Horla and Adam Owczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADDE MODEL OF UNMANNED BICYCLE ROBOT WITH REACTION WHEEL 46 Hichme Haddou Benderbal, Mohammed Dahane and Hyes Remyouse I.A new Robustness index for machines selection in Reconfigure Manufacturing System 47 Haslina Abdullah, Rizauddin Ramil, Dzuraidah Abd Wahab and Jaber Abu Qudeir. Minimising Machining Airtime Motion with an Ant Colony Algorithm 233 Zemin' Toucef and Bendils Riad. Modeling and Dependability Analysis of an industrial Plant: Case Study 169 Zemin' Toucef and Bendils Riad. The Dependability Cintrol Analysis: Applied to centrifugal pumps in a oil petrochemical plant 110 Cágar Granda, Eric Porras and Eli González. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Habil Nahas and Mustapha Noval Eachs, machine selection and preventive maintenance optimization in unreliable production lines
	60 Dariusz Horla and Adam Owczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADDE MODEL OF UNMANNED BICYCLE ROBO DIVITH BEACTION WHEEL 46 Hichem Haddou Benderbal, Mohammed Dahane and Hyes Benyoucef. A new Robustness index for machines selection in Reconfigurable Manufacturing System 47 Haslina Abdullah, Risauddin Ramil, Druzridah Abd Wahab and laber Abu Qudeiri, Minimising Machining Airtime Motion with an Ant Colony Algorithm 233 Zennir Youcef and Bendib Riad. Modeling and Dependability Analysis of an industrial Plant: Case Study 169 Zennir Youcef and Bendib Riad. The Dependability Control Analysis: Applied to centrifugal pumps in a oil petrochemical plant 110 Eiger Grands, Eric Porras and Eli González. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Habil Nashar and Mustapha Nouel Farb. Buffer acidencian, machine selection and preventive maintenance optimization in unreliable production lines 124 Hajer Ben Mahmoud, Raouf Kestat, Tseib Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Hierarchical Hybrid Approaches for Control of Quality Management System 128 Spoile Hennequin and Lausa Mark Ramirize Restration. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System
	60 Darius Horla and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOS DEVICE HORDON WITH EACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyoucef. A new Robustness include for machines selection in Reconfigurable Manufacturing System 47 Haslina Abdulliah, Rizauddin Ramil, Durusidah Add Wahab and Jaber Abu Qudeiri, Minimising Machining Airlime Motion with an Art Colony Algorithm 23 Zennir Youcef and Bendib Riad. The Dependability Analysis. Applied to centrifugal pumps in a oil petrochemical plant 110 Egger Granda, Erre Porsa and El GroanZele: Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 128 Hapier Ren Mahmoud, Bout Retata, Taela bee Romonthane and Samir Ben Ahmed. Comparabenets Euroly of Europeache for Control of Quality Management System 128 Sophie Hennequin and Lusur Maria Ramirez Restrepo. A Fuzyr Hedging Point Policy for Sustainable Manufacturing System 131 Vana Bian, Nathalle Bostel, Double Hennequin and Sureup Kingurine (Issurantiving System)
T3.3 Regular Session "Production I"	60 Dariust Horla and Adam Ovczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BICYCLE ROBOS DIVITH BEACTION WHEEL 46 Hichem Haddou Benderbal, Mohammed Dahane and Hyes Benyouck F.A new Robustness index for machines selection in Reconfigurable Manufacturing System 47 Hastina Abdullah, Risauddin Ramil, Druzidah Abd Wahba and Jaber Abu Qudeiri, Mininising Machining Airtime Motion with an Ant Colony Algorithm 233 Zennir Youcef and Bendib Road. Modeling and Dependability Analysis of an industrial Planta Case Study 169 Zennir Youcef and Bendib Road. The Dependability Control Analysis: Applied to centrifuga pumps in a oil petrochemical plant 110 Edger Grands, Eric Porras and Eli Gonzilaz: Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Habil Nahas and Mustapha Novel Ef alth. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 122 Hajer Ben Mahmoud, Raouf Kestat, Taeib Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Hierarchical Hydro Adproaches for Control of Quality Management System 128 Spohle Hennequian and Laura Mark Ramirize Restrator, A Fuzzy Hedging Plont Polly for Scatiabable Manufacturing System 131 Yana Bian, Nathaile Bostel, David Lemoine, Thomas Yeung, Vincent Hovelaque and Jean-Laurent Wikini. Dynamic lot-sizing-based working capital requirement minimization model with infinite capacity 143 Fenemedre Queze, Caroline Hierry and Guillaums Romann. Local and goldo loptimization in raw material processing
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and	60 Darius Horia and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOS DEVICE HORIZON WHEE LAST AGE AND ADDRESS
T3.3 Regular Session "Production I"	60 Dariust Horla and Adam Ovczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BICYCLE ROBOS DIVTHE REACTION WHEEL 46 Hichme Haddou Benderbal, Mohammed Dahane and Hyes Benyouck Fa. A new Robustness index for machines selection in Reconfigurable Manufacturing System 47 Hastina Abdullah, Risauddin Ramil, Durusidah Abd Wahab and Jaber Abu Qudein, Minimising Machining Alritime Motion with an Ant Colony Algorithm 193 Zennir Youcef and Bendh Bisd. The Dependability Analysis, Applied to centrifugal pumps in a oil petrochemical plant 110 Edgar Granda, Eric Porsa and Eli Gonzalez. Integrated cutting stock and inventry evaluation model in manufacturing environments with deferred production 114 Habol Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and prevention environments with deferred production lines 112 Hajer Ben Mahmoud, Roouf Kestar, Taebs Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Hierarchical Hybrid Approaches for Control of Quality Management System 112 Hajer Ben Mahmoud, Raouf Westar, Taebs Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Hierarchical Hybrid Approaches for Control of Quality Management System 113 Yana Bian, Nathalie Bostel, David Lemoine, Thomas Yeung, Vincent Hovelaque and Jean-Laurent Viviani. Dynamic lot-string-based working capital requirement minimization model with infinite capacity 114 Fenementer Gazees, Caroline Hierary and Guillaumen Romain. Local and gold poliprimization in any ametrial processing 11 Frenderique Mayer, Vincent Boly and Monica David Le Bezvolet. Contribution to NSD project management: application of some systems engineering principles 14 Pridefrique Mayer, Vincent Boly and Monica David Le Bezvolet. Contribution to NSD project management: application of some systems engineering principles
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and	60 Dariust Horla and Adam Ovczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BICYCLE ROBOS DIVTMH REACTION WHEEL 46 Hichem Haddou Benderbal, Mohammed Dahane and Hyes Benyouck F.A new Robustness index for machines selection in Reconfigurable Manufacturing System 47 Hastina Abdullah, Risauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeir, Minimising Machining Altrime Motion with an Ant Colony Algorithm 183 Zennir Youcef and Bendib Biad. The Dependability Analysis of an industrial Plant Case Study 189 Zennir Youcef and Bendib Biad. The Dependability Control Analysis. Applied to centrifugal pumps in a oil petrochemical plant 100 Edgar Granda, Eric Porras and Eli González. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 122 Hajer Ben Malmoud, Roouf Kestas, Taebs Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Hierarchical Hybrid Approaches for Control of Quality Management System 128 Sophie Hennequian and Laura Marka Ramirez Restrates. A Fuzzy Hedging Polit Polity for Sustatiable Namifacturing System 131 Yana Bian, Nathalie Bostel, David Lemoine, Thomas Yeung, Vincent Hovelaque and Jean-Laurent Viviani. Dynamic lot-string-based working capital requirement minimization model with infinite capacity 143 Fenemendro Eases, Caroline Thierry and Guillaumen Romain. Local and goldo optimization in arm amterial processing 147 Fenemendro Ease, Caroline Thierry and Guillaumen Romain. Local and goldo optimization in arm amterial processing 148 Fenemendro Ease, Sandane Manufacturia Delva in arm amterial processing 149 Amilica Arnatis, Pedro Fenemande Da Silva and Luki Miguel D. F. Ferreira-Eubelsy in construction projects - dauses and imprior. Secures on Product-Service Systems 150 Citals Barbosa and Américo Arevedo. Operations Study and Lukin Manufacturing. Services and Product-Servic
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and	60 Dariust Horia and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOS DEVICE HORDOS WITH FEACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyouck 7, Anew Robustness include for machines selection in Reconfigurable Manufacturing system 47 Haslina Abdulliah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airtime Motion with an Art Colony Algorithm 23 Zennir Youcef and Bendib Riad. The Dependability Analysis, Applied to centrifugal pumps in a oil petrochemical plant 110 Egger Granda, Erc Porsas and El Gionafele. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 122 Haige fee Mahmound, Boott Restat, Taeib Bee Romonthaen and Samir Been Ahmed. Comparabech for Control of Quality Management System 128 Sophie Hennequin and Luura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing system 131 vana Bian, Nathalie Bosteb, David Lenoiner, Thomas Yeung, Micraet Hovelague and Inart-anierunt Visiani. Orpamin iclossing-based working capital requirement minimization model with infinite capacity 13 Freemedre Queze, Caroline Thierry and Guillaume Romain. Local and global optimization in raw material processing 21 Freidrigung Mayer, Vincent Body and Monical Zoulds Le Bezwelt. Contribution to NSD project management: application of some systems engineering principles 49 Amilicar Arantes, Pedro Fernandez Da Silva and Luis Miguel D. F. Ferreira. Delays in construction projects - Causes and impacts 46 Ing Peng. Qualid Jounil, Zed Bernal and Yves Dellegal engineering in construction projects - Causes and impacts
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services"	60 Darius Horla and Adam Overzafrowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hichem Haddou Benderski, Mohammed Daham and tyes Benyouce IA new Robbustness index for machines selection in Reconfigure Selection in Reconfigure 47 Hasina Abdullah, Risauddin Ramil, Dururaliah Abd Wahab and Jaber Abu Qudeiri. Minimising Machining Airtiming Airtiming Airtiming System 47 Hasina Abdullah, Risauddin Ramil, Dururaliah Abd Wahab and Jaber Abu Qudeiri. Minimising Machining Airtiming Airtiming Machining Airtiming Airtim
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and	60 Darius Horia and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOS DIVITME REACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyouck 7, a new Robustness include for machines selection in Reconfigurable Manufacturing system 47 Haslina Abdulliah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airlime Motion with an Art Colony Algorithm 233 Zennir Youcef and Bendib Riad. The Dependability Analysis, Applied to centrifugal pumps in a oil petrochemical plant 110 Eggar Granda, Erc Porsas and El Giona/leie. Histograde cutting stocks and inventory evaluation model in manufacturing environments with deferred production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production ines 122 Haige fee Mahmound, Boott Resta, Taeib Bee Romonthane and Samir Been Ahmed. Comparaboes for Control of Quality Management System 128 Sophie Hennequin and Laura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 131 Yana Bian, Nahalie Bostel, David Lenoiner, Thomas Yeung, Micraet Hovelague and Janear-Invert Visiani. Orpamic locksing-based working capital requirement minimization model with infinite capacity 143 Femendere Queze, Caroline Thierry and Guillaume Romain. Local and global optimization in raw material processing 14 Irridderique Mayer, Vincent Boyla of Molinica David Lee Bezvolt. Contribution to NSD projective - Causes and impacts 45 Aing Peng, Qualid Jounit, Zed elmain and Yves Dallegian and Porduct Lenges Review Systems 65 Citia Barbosa and Américo Azrevedo. Operations Strategy Frameworks in Manufacturing, Services and Product-Service Systems 7 Hanane Assellaou, Brahim Outbil and Bouchar Friths. An ANP-PROMETHEE model for suppsiers lection and a case study
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services"	60 Darius Horia and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOS WITH REACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyouck 7, ane Wobstrasses include for machines selection in Reconfigurable Manufacturing system 47 Haslina Abdulliah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airliming Air
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services"	60 Dariusz Horla and Adam Ovczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hichem Haddou Benderski, Mohammed Daham and tyes Benyouce IA new Robbustness index for machines selection in Reconfigure Selection in Reconfigure System 47 Hasina Abdullah, Rizauddin Ramil, Dururaliah Abd Wahab and Jaber Abu Qudeiri. Minimising Machining Airtiming Airtiming Airtiming Airtiming Machining Airtiming Airtimin
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services"	60 Dariusz Horia and Adam Owczańcowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBO STRYCH ENGLISH AND AUGUST AUGUST AND AUGUST A
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis"	60 Dariusz Horla and Adam Owczańcowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hichem Haddou Benderski, Mohammed Dahane and tyes Benyouce if, a new Robustness in dies for machines selection in Reconfigure Manufacturing System 47 Hasina Abdullah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri. Minimising Machining Airtiming Airtiming Airtiming Airtiming Machining Airtiming Airtim
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis"	60 Darius Horla and Adam Ovczarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and tyes Benyouce if, a new Robustness incide for machines selection in Reconfigure Mountaining Assemble 47 Haslina Abdullah, Rizauddin Ramil, Dururaliah Abd Wahab and Jaber Abu Qudeiri. Minimising Machining Airtiming Airt
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis"	60 Darius Horis and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH EACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyouck 7, ane Wobstress incide for machines selection in Reconfigurating system 47 Haslina Abdulliah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airtime Motion with an Art Colony Algorithm 192 Zennir Youcef and Bendiß Riad. The Dependability Analysis and investory evaluation model in manufacturing environments with deferred production 114 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 114 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 118 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 118 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 118 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 118 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 119 Habil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and selection selection and selection and selection and selection and selection selection
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services"	60 Darius Horla and Adam Overzarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and tyes Benyouse f. ane Wobstress incide for machines selection in Reconfigure Selection in Reconfigure System 47 Hasina Abdullah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeir, Minimising Machining Airtime Motion with an Ant Colony Algorithm 23 Zennir Youcef and Bendin Biad. The Dependability Analysis of an Industrial Plant Lace Study 169 Zennir Youcef and Bendin Biad. The Dependability Analysis of an Industrial Plant Lace Study 169 Zennir Youcef and Bendin Biad. The Dependability Analysis of mirentory evaluation model in manufacturing environments with deferred production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production Incident and the Manufacturing System 122 Hajor Ben Mahmoud, Band Ketata, Taela Ben Binndhane and Samir Ben Ahmed. Comparabenet Study of Eury Hierarchical Hybrid Hierarchica
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis"	60 Darius Horis and Adam Ovezarkowski. USR ROBUST CONTROL STRATEGIES FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH EACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and Lyes Revyouck 7, ane Wobstrasses incide for machines selection in Reconfigurating system 47 Haslina Abdulliah, Rizauddin Ramil, Duruslah Abd Wahab and Jaber Abu Qudeiri, Minimising Machining Airtime Motion with an Art Colony Algorithm 193 Zennir Youcef and Bendiß Riad. The Dependability Analysis, Applied to centrifugal pumps in a oil petrochemical plant 110 Eggar Granda, Erc Porsas and El Gionazilee. Integrated cutting stocks and inventory evaluation model in manufacturing environments with deferred production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production 118 Vanis Bina, Nahalie Bosteb, David Lenoine, Promase Yeung, Vincent Hovelague and Izan-artiance in Coloration of Sophie Hemnequin and Luura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 118 Vana Bina, Nahalie Bosteb, David Lenoine, Promase Yeung, Vincent Hovelague and Izan-artiance Vincenting International Coloration of Sophie Hemnequin and Luura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 118 Vana Bina, Nahalie Bosteb, David Lenoine, Promase Yeung, Vincent Hovelague and Izan-artiance Vincenting Vincenting Coloration and System Structuring Vincenting Air Vincenting Vincenting Coloration of Sophie Hemnequin and Luura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 118 Vana Bina, Nahalie Bosteb, John Mohila David Leaves Policy Bina, Professional Systems Systems 129 Tredeficient Mayer, Vincent Boyal and Mohila Gaudia Leaves Systems Systems 130 Language Vincenting Vincenting Coloration Coloration Coloration Coloration C
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation"	60 Darius Horla and Adam Overzarkowski. USR ROBUST CONTROL STRATEGISF FOR ADOF MODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 46 Hickmet Haddou Benderski, Mohammed Dahane and tyes Benyouse f. ane Wobstrasses incide for machines selection in Reconfiguration (and the Statistical Control Analysis Applied to centrifugal pumps in a oil petrochemical plant 180 Spanish Toucef and Bendib Riad. The Dependability Analysis of an investorial Plant Case Study 189 Zennir Youcef and Bendib Riad. The Dependability Analysis of an investory evaluation model in manufacturing environments with deferred production 114 Nabil Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production in 122 Hajor Ren Mahmoud, Boat Kesta, Taeib Ben Romanham and Samis Ren Ahmed. Comparabate Study of Fuzzy Hierarchical Hybrid Hierarchical Plant Relation and Hard Render Restratory. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 128 Sophie Hennequin and Laura Maria Ramirez Restrepo. A Fuzzy Hedging Point Policy for Sustainable Manufacturing System 129 Treadering white Plant Restrantion of Studies (Plant Plant Plant Control Plant Plant Control Plant Plant Control Health Plant Plant Plant Con
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis"	60 Darlusz Horla and Adam Owczarkowski. LDR ROBUST CONTROL STRATEGIS FOR ADDE MODEL OF UNMANNED BICKLE ROBOT WITH REACTION WHEEL 246 Hickmet Haddou Benderbal, Mohammed Daham and type Benyouch F. new Robustness indices for machines selection in Reconfiguration space. 47 Hasilina Abdullah, Rizuaddin Ramil, Durardah Abd Wahab and Jaber Abu Qudeir. Minimising Machining Airtime Motion with an Art Colony Algorithm 233 Zennir Youcef and Bendit Ramil. Durardah Abd Wahab and Jaber Abu Qudeir. Minimising Machining Airtime Motion with an Art Colony Algorithm 239 Zennir Youcef and Bendit Rami. The Dependability Control Analysis: Applied to centrifugal pumps in a oil petrochemical plant 110 Edgar Crana, Err Porra's and Eliconalize. Integrated cutting stock and inventory evaluation model in manufacturing environments with deferred production 114 Nali Nahas and Mustapha Nour E Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 122 Haiper Ben Mahmoud, Rami Raturia, Tebe Ben Romanhem and Samir Ben Ahmeel. Comparative Study of Fuzzy Hierarchical Hybrich Applicates For Control of Quality Management System 125 Spile Hermeguin and Luarn Maria Raminer. Restrapo. A Fuzzy Hedging Point Policy for Sustainable Manifacturing System 126 Spile Hermeguin and Luarn Maria Raminer. Bestrapo. A Fuzzy Hedging Point Policy for Sustainable Manifacturing System 127 Spile Hermeguin and Luarn Maria Raminer Restrapo. A Fuzzy Hedging Point Policy for Sustainable Manifacturing System 128 Femmedrer Causer. Carrioler Hierary and Guillamow Bonnai. Local and global optimization in the "an attendative Systems" (See Causer Systems) 129 Femmedrer Causer. Carrioler Hierary and Guillamow Bonnai. Local and global optimization in the "am attendative Systems" (See Citial Barbot Analysis and Maria Policy and Monica David to Benocitic Contribution to NSD project management: application of some systems engineering principles 129 Amiliara Arabise David Systems (See Causer) Policy Restricts Amounts (See Caus
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation"	60 Darius Horla and Adam Owczarkowski. LDR ROBUST CONTROL STARTEGISF FOR ADOF MODEL OF UNDANNED BINCTLE ROBOT WITH REACTION WHEEL 26 Hickmet Radious Bendershi, Mohammed Dahame and Lips Estepoword. A new Mobustness in fisc for machine selection in Reconfigurable Manufacturing System 47 Isalina Abdullah, Rizuddin Ramil, Dzuriadah Abd Wahab and Jaber Abu Qudeir. Milminsing Machineg Artime Motion with a nat Colony Algorithm 233 Zemin' Youcef and Bendih Rad. The Dependability Control Analysis: Applied to centrifugal pumps in a oal petrochemical plant 110 Edgar Grands, Fic Ports and Eliforazile. Integrated cutting stock and investory evaluation model in manufacturing environments with deferred production 114 Nabi Nahas and Mustapha Nour El Fath. Buffer allocation, machine selection and preventive maintenance optimization in unreliable production lines 122 Isajier Ren Mahmoud, Road Restat, Tapie Ben Romanian and Samir Ben Ahmed. Comparative Study of trusty Heracinchical phylorid Approaches for Control of Quality Management System 123 Sophie Hermequin and Laura Maria Raminer Restrepo. A Tuzzy Heiging Porti Policy for Sustainable Manufacturing System 123 Sophie Hermequin and Laura Maria Raminer Restrepo. A Tuzzy Heiging Porti Policy for Sustainable Manufacturing System 124 Tuzzy Bank, Mathina Booste, Dovid Lemonie, Thomas Hermal, Morriad Approaches of Contribution to NSD project management; application of some systems engineering principles 125 April Andrea Andrea Policy and Monica David Le Becoekt. Contribution to NSD project management; application of some systems engineering principles 126 Ap Amilicar Andrea. Policy Policy Andrea David Lemonical Policy Systems 127 Hanane Assellaou, Brahim Outbi and Bouchra Frish. An ANP-PROMENTEE model for supplier selection and a case study 128 Abouletta and Dina Pereira. Absorptive Capacity, Coopetition and Product Innovation: Assessing Italian and Portuguese Knowledge-based Service Firms 129 Abono and America Aevende. Operations Strategy Frameworks in Manufacturing, Brosson from a
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation"	60 Dariusz Horis and Adam Owczarkowski. LDR ROBUST CONTROL STRATEGIS FOR ADOP MODEL OF LUMANNED BICYCLE ROBOT WITH REACTION WHEEL 248 Hickem Hackobs Benderbal, Mohammed Dahame and these Robustness index for machines selection in Reconfigurable Manufacturing system 47 Haslins Abdullan, Rizsaudin Ramil, Duzuridah Add Wahab and Jaber Abu Quideri. Minimising Machining Artime Motion with an Art Colony Algorithm 233 Zenin'i Youced and Rewolik Bad. The Oppendiability Analysis of an Industrial Plant. Exest Study 160 Zenin'i Youced and Rewolik Bad. The Oppendiability Cantrol Analysis: Applied to centrifuga jumps in a oil petrochemical plant 110 Edgar Granta, Cir. Porras and Elic Grossize. Integrated cruiting sock and intensive yeaksubation model in manufacturing environments with deferred production 111 Mabil Nahas and Mantapha Nour El rish. Buffer allocation, machine selection and prevenitive maintenance optimization in unreliable production lines 112 Spoble Hemonepian and Luran Mants Barmier Restropes. A Tazzy Hedging Port Policy for Sustandards Handuring environments with deferred production 113 Yana Bian, Natahalie Bostel, David Lemoine, Thomas Yeang, Vincent Hovelsque and Jean-Lurrent Viviani. Dynamic Ind-Laing based working capital requirement minimization model with infinite capacity 113 Yean Bian, Natahalie Bostel, David Lemoine, Thomas Yeang, Vincent Hovelsque and Jean-Lurrent Viviani. Dynamic Ind-Laing based working capital requirement minimization model with infinite capacity 113 Yean Bian, Natahalie Bostel, David Lemoine, Thomas Yeang, Vincent Hovelsque and Jean-Lurrent Viviani. Dynamic Ind-Laing based working capital requirement minimization model with infinite capacity 114 Fernemented Capace, Caroline Plinaria di Guillania Bostelania and America Daviera di Guillania Bostelania and America D
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation"	60 Dariusz brofis and Adam Owczarkowski. LDR, ROBUST CONTROL STRATEGIS FOR ADDR MODEL OF LUMANANDE BICYCLE ROBOT WHITE REACTION WHEEL 28 Fishlems hadden Bendrish, Morammed Dahama and the Robustness index for machines selection in Reconfigurable Management in Reconfigurable Management in Moration Reconfigurable Management System 124 Hajer Ben Mahmoud, Rosuf Kestata, Taelb Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Heierzchical Hybrid Approaches for Control Guality Management System 125 Sophie Hemonepia and Lusar Manafema Resonant Paragement Problems (System) 126 Sophie Hemonepia and Lusar Manafema Resonant Local and global polimization in new material processing 127 Hajer Ben Mahmoud, Rosuf Kestata, Taelb Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Heierzchical Hybrid Approaches for Control Guality Management System 128 Sophie Hemonepia and Lusar Management August Management System 129 Sophie Hemonepia and Lusar Management August Management System 120 Femendered (accepts, Caroline Phismania) Local and global polimization in new material processing 121 Femendered Local Reconstruction of Study of Fuzzy Height Reconstruction of Study Project Management and Lusar Management and Lusar Management and Lusar Management and Lusar Management August Management and Lusar Management and Lusar Management and Lusar Management and Lusar Management August Management and Lusar Management August Management and Lusar M
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation" T4.3 Regular Session "Information Systems"	60 Darius India and Adam Owczarkowski. LQR ROBUST CONTROL STRATGISTS FOR ADOM RODEL OF UNMANNED BEYCLE ROBOT WITH REACTION WHEEL 26 Hickem Hadde Beederski, Monthemed Daham and Lyes Reprouged. A new Robiustness in deet for machines selection in Reconfliguous Manufacturing System 47 Hasiina Abdullah, Rizaudin Ramil, Duraldah Add Wahab and Jaber Abu Cudelir. Minimising Machining Articum Motors with an Art Colony Algorithm 160 Zanen Youcid and Bendh Bind. The Dependability Control Analysis's Applied to centrifugal jomps in a oil percohemical plant 161 Centrol Control of
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation"	60 Dariusz brofis and Adam Owczarkowski. LDR, ROBUST CONTROL STRATEGIS FOR ADDR MODEL OF LUMANANDE BICYCLE ROBOT WHITE REACTION WHEEL 28 Fishlems hadden Bendrish, Morammed Dahama and the Robustness index for machines selection in Reconfigurable Management in Reconfigurable Management in Moration Reconfigurable Management System 124 Hajer Ben Mahmoud, Rosuf Kestata, Taelb Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Heierzchical Hybrid Approaches for Control Guality Management System 125 Sophie Hemonepia and Lusar Manafema Resonant Paragement Problems (System) 126 Sophie Hemonepia and Lusar Manafema Resonant Local and global polimization in new material processing 127 Hajer Ben Mahmoud, Rosuf Kestata, Taelb Ben Romdhane and Samir Ben Ahmed. Comparative Study of Fuzzy Heierzchical Hybrid Approaches for Control Guality Management System 128 Sophie Hemonepia and Lusar Management August Management System 129 Sophie Hemonepia and Lusar Management August Management System 120 Femendered (accepts, Caroline Phismania) Local and global polimization in new material processing 121 Femendered Local Reconstruction of Study of Fuzzy Height Reconstruction of Study Project Management and Lusar Management and Lusar Management and Lusar Management and Lusar Management August Management and Lusar Management and Lusar Management and Lusar Management and Lusar Management August Management and Lusar Management August Management and Lusar M
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation" T4.3 Regular Session "Information Systems"	60 Darius India and Adam Oxcardowski. Ligh ROBUST CONTROL STRATGES FOR ADOF MODEL OF UNIVANNED BICTOR HORD WITH EACTION WHEEL 268 Hischem Isodoc Benefral, Mohammed Dahame and Lyee Reproject. A new Nobiothers selection in Recognizable Manufacturing System 47 Hasilian Adoublah, Rizuadio Ramil, Duranisida Add Whalba and albaer Asio Quideri. Minimising Machining Astrime Motion with an Ant Coolin Apportunity 47 Hasilian Adoublah, Rizuadio Ramil, Duranisida Add Whalba and albaer Asio Quideri. Minimising Machining Astrime Motion with an Ant Coolin Apportunity 48 Page Granda, Eric Portus and El González. Integrated cutting tools and inventory evaluation model in manufacturing environments with deserved production 48 Page Granda, Eric Portus and El González. Integrated cutting tools and inventory evaluation model in manufacturing environments with deserved production 48 Page Granda, Eric Portus and El González. Integrated cutting tools and inventory evaluation model in manufacturing environments with a page and manufacturing potential and Manufacturing Potential and Manufacturing Potential Page Machine Manufacturing Potential Page Rev Machine State (Page Rev Machine) 49 Page Rev Machine Granda, David Kesta, Taeb Ben Bomithane and Samir Ben Ahmed. Comparative Study of Eurzy Hierarchical Hybrid Approaches for Control of Quality Management System 40 Page Rev Machine Bostock, David Lemoine, Thomas Yearing, Evil Potential Page Association (Page Rev Machine) 41 Page Rev Machine Bostock, David Lemoine, Thomas Yearing, Evil Potential Page Association (Page Rev Machine) 42 Page Rev Machine Bostock, David Lemoine, Thomas Yearing, Evil Potential Page Association (Page Rev Machine) 43 Page Rev Quality, Vincent David Ambraca State (Page Page Page Page Page Page Page Page
T3.3 Regular Session "Production I" T3.4 Regular Session "Project Management and Services" T4.1 Regular Session "Risk Analysis" T4.2 Regular Session "Product and innovation" T4.3 Regular Session "Information Systems"	60 Darvisz-horis an Adam Onceariovask. LOR ROBUST CONTROL STRATGGIS FOR 400F MODE. OF UNMANNED BIOCLE ROBOT WHTE RACTION WHEEL 28 Histern Baddullan, Rizardio Ramil, Druzsalah Add Wahab and Jaber Abu Quederi. Minimizing Markining Aktrine Motion with an Art Colony Algorithm 28 Zamin' Foundation Brandle, Druzsalah Add Wahab and Jaber Abu Quederi. Minimizing Markining Aktrine Motion with an Art Colony Algorithm 28 Zamin' Foundation Brandle, Druzsalah Add Wahab and Jaber Abu Quederi. Minimizing Markining Artirum Motion with an Art Colony Algorithm 28 Zamin' Foundation Brandle, Strate Prize and El Gonzalez. Integrated cutting took and inventory evaluation model in manufacturing environments with deferred production 110 Eggir Grands, Eric Porras and El Gonzalez. Integrated cutting took and inventory evaluation model in manufacturing environments with deferred production 121 Hajer Been Mahmmoud, Razon Kestas, Taelb Ben Romdhane and Samir Ben Ahmed. Comparather Study of fuzzy Heirarchical Hybrid Approaches for Control of Quality Management System 212 Hajer Been Mahmmoud, Razon Kestas, Taelb Ben Romdhane and Samir Ben Ahmed. Comparather Study of fuzzy Heirarchical Hybrid Approaches for Control of Quality Management System 213 Yuan Bian, Nathalle Bostel, David Lemoile, Thomas Yeung Vincent Novelaque and Jean-Amaret Vivian Dynamic Lost-simple based working capital requirement minimization model with Infinite capacity 21 Frederingen Mayer. Wincent Boy and Monitor David & Bervoet. Composition for an advantable production of Tomas Systems of Production of Tomas Systems of Production Systems of Production of Tomas Systems Systems of Production of Product Information Assessment Systems of Production of Production of Tomas Systems Syste

IESM 2015, Seville October 21-23

Preliminary Schedule

Friday, 23

Session	Ref. Authors, title
F1.1 Special Session "Industrial Performance	32 Bastien Rizzon, Vincent Clivillé and Sylvie Galichet. Decision Problem of Instrumentation in a Company involved in ISO 50001
Evaluation and Decision-Aiding I"	50 Jacky Montmain, Lamia Berrah, Vincent Clivillé, Laurent Foulloy and Gilles Mauris. How to handle the Decision-Maker's awareness of industrial context in his objectives declaration:
	81 Alexander Pulido-Rojano, J. Carlos García-Díaz and Vicent Giner-Bosch. A multiobjective approach for optimization of the multihead weighing process
1	105 Faran Ahmed and Kemal Kilic. Modification to Fuzzy Extent Analysis Method and its Performance Analysis
	108 Nahla Chabbah, Ahmed Elleuch and Najoua Dridi. Cross-correlation analyses toward a prediction system of CPU availability in volunteer computing system
	116 Samya Dahbi, Latifa Ezzine and Haj El Moussami. Multiple Regression Model for Surface Roughness Using Full Factorial Design
F1.2 Special Session "Industrial Performance	162 Jamal Fattah, Latifa Ezzine and Abdesalam Lachhab. Modeling of the Stock Management System Using Batch Deterministic and Stochastic Petri Nets (BDSPNs):«Application for Performance Evaluation»
Evaluation and Decision-Aiding II"	175 Ibrahim Alhuraish, Christian Robledo and Abdessamad Kobi. Evaluation of the Operational Performance in Implementing Lean Manufacturing and Six Sigma
	231 Moustapha Ahmed Bouh and Diane Riopel. Material handling equipment selection: new classifications of equipments and attributes
	251 Sadok Turki and Nidhal Rezg. Performance Evaluation of a Closed Loop Manufacturing System Taking Into Account Delivery Activity and Degradation
	203 David Bogataj, Damjana Drobne, Rebeka Rudolf, Marija Bogataj and Domen Hudoklin. Evaluation of investments in smart measurement devices controlling Cold Supply Chains through nanotechnology where smart cities are
F2.1 Special Session "IFSTTAR I"	2 Zakaryae Boudi, El Miloudi El Koursi and Simon Collart-Dutilleul. Colored Petri Nets formal transformation to B machines for safety critical software development
	16 Pengfei Sun, Philippe Bon and Simon Collart-Dutilleul. Model transformation from coloured Petri nets with prioritized transitions to B machines
	20 Antoine Ferlin, Philippe Bon, Simon Collart-Dutilleul and Virginie Wiels. Parallel verification of temporal properties using dynamic analysi:
	30 Francesco Rotoli, Elena Navajas Cawood and Lorenzo Vannacci. Enclosing rail capacity/punctuality in accessibility measures: a DEA/AHP approach
NI.	72 Alain Faivre, Arnault Lapitre, Agnes Lanusse, Matthieu Perin, Subeer Rangra, Mohamed Sallak and Walter Schön. Two methods for modeling and verification of safety properties of railway infrastructure:
4	79 Paola Pellegrini, Grégory Marlière and Joaquin Rodriguez. Real-time railway traffic management optimization and imperfect information: preliminary studies
F2.2 Special Session "IFSTTAR II"	171 Adnen El Amraoui and Khaled Mesghouni. Performing Enhanced Rail Formal Engineering Constraints Traceability: Transition Modes
F3.1 Regular Session "Manufacturing"	211 Dan Zheng, Hong Zheng, Dongni Li and Miao Li. An Artificial Bee Colony with Aging Leader in the Elite Group Approach for Intercell Scheduling Considering Transportation Capacity
F3.1 Regular Session "Manufacturing"	211 Dan Zheng, Hong Zheng, Dongni Li and Miao Li. An Artificial Bee Colony with Aging Leader in the Elite Group Approach for Intercell Scheduling Considering Transportation Capacity 112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain
F3.1 Regular Session "Manufacturing"	
F3.1 Regular Session "Manufacturing"	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain
n	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen
	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sale:
n	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sale:
F3.2 Regular Session - Industrial Roundtable	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity
n	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity 141 Kahina Koulougli, Amin Chaabane and Lionel Amodeo. Joint Lot-Sizing and Transportation Pooling for Global Supply Chain
F3.2 Regular Session - Industrial Roundtable	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity 141 Kahina Koulougli, Amin Chaabane and Lionel Amodeo. Joint Lot-Sizing and Transportation Pooling for Global Supply Chain 126 Joana Oliveira Rosado and Susana Relvas. Integral Supply Chain Performance Management System Design and Implementatior
F3.2 Regular Session - Industrial Roundtable	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. García-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity 141 Kahina Koulougli, Amin Chaabane and Lionel Amodeo. Joint Lot-Sizing and Transportation Pooling for Global Supply Chain 126 Joana Oliveira Rosado and Susana Relvas. Integral Supply Chain Performance Management System Design and Implementatior 240 Mohammed Hichame Benbitour, Evren Sahin and Aurélien Barbieri. A comparison of different cross-docking organizations in a JIT manufacturing system; application in the automotive industry
F3.2 Regular Session - Industrial Roundtable	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chain 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. Garcia-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity 141 Kahina Koulougli, Amin Chaabane and Lionel Amodeo. Joint Lot-Sizing and Transportation Pooling for Global Supply Chain 126 Joana Oliveira Rosado and Susana Relvas. Integral Supply Chain Performance Management System Design and Implementatior 240 Mohammed Hichame Benbitour, Evren Sahin and Aurélien Barbieri. A comparison of different cross-docking organizations in a JIT manufacturing system; application in the automotive industry 208 Nathalie Bostel, Pierre Dejax and Mi Zhang. A Model and a Metaheuristic Method for the Hub Location Routing Problem
F3.2 Regular Session - Industrial Roundtable	112 Philippe Thomas, Marie-Christine Suhner and André Thomas. Reduced simulation model for flow analysis in a sawmill internal supply chair 178 Raul Cortes-Fibla, Pilar I. Vidal-Carreras and Jose P. García-Sabater. Considering the effect of demand diversity on the performance of different production strategies for the economic lot scheduling problen 156 Matthieu Godichaud, Lionel Amodeo and Mustapha Hrouga. Metaheuristic based optimization for capacitated disassembly lot sizing problem with lost sales 172 Gouiaa Amal, Dellagi Sofiene, Achour Zied and Erray Walid. Integrated Quality-Maintenance policy with Reworking Activity 141 Kahina Koulougli, Amin Chaabane and Lionel Amodeo. Joint Lot-Sizing and Transportation Pooling for Global Supply Chain 126 Joana Oliveira Rosado and Susana Relvas. Integral Supply Chain Performance Management System Design and Implementatior 240 Mohammed Hichame Benbitour, Evren Sahin and Aurélien Barbieri. A comparison of different cross-docking organizations in a JIT manufacturing system; application in the automotive industry