08:00 am - 08:45 am	**MIM 2016 Reception** desk (building M)			
08:45 am - 09:30 am	Opening session (room M500)			
09:30 am - 10:30 am	Plenary session : **Prof Wilhelm Bauer** Chair : Pr. F. YALAOUI (room M500)			
10:30 am - 11:00 am	***coffee break***			
	sessions TU-A			
11:00 am - 12:40 pm	**TU-A-1**	Cutting and Scheduling *(room A001)*	**Optimization techniques for manufacturing process and mainly cutting machines** *Chairs : Chrysostomos Stylios, Said Hanafi*	(353) The 3D Object Packing Problem into a Parallelepiped Container Based on Discrete-Logical Representation (Verkhoturov Mikhail; Petunin, Alexander Dmitry Kurennov)
				(354) Polynomial Time Approximation Scheme for the Minimum-Weight K-Size Cycle Cover Problem in Euclidean Space of an Arbitrary Fixed Dimension (Khachay Michael; Neznakhina Katherine)
				(371) Model Predictive Feed Rate Control for a Milling Machine (Stemmler Sebastian; Abel Dirk; Adams, Oliver; Klocke Fritz)
				(456)A Dynamic Programming Algorithm for the Online Cutting Problem with Defects and Quality Grades (Tuzun Aksu, Dilek; Durak, Bahadır)
				(339) Optimization Models of Tool Path Problem for CNC Sheet Metal Cutting Machines (Petunin, Alexander, Stylios Chrysostomos)
	TU-A-2	Integration of complex problems in the Supply Chain Management *(room A002)*	**Multi-level, Collaborative and Robust Production Networks** *Chairs: Botond Kadar, Marcello Colledani*	(516) The RobustPlaNet Project: Towards Shock-Robust Design of Plants and Their Supply Chain Networks (Jauregui Becker, Juan Manuel; Kadar, Botond; Colledani, Marcello; Stricker, Nicole; Urgo, Marcello; unglert, Johannes; Gyulai, Dávid; Moser, Emanuel)
				(248) Migration Planning for Global Production Networks Using Markovian Decision Processes(Moser, Emanuel; Stricker, Nicole; Liebrecht, Christoph; Hiller, André Dominic; Ziegler, Martin; Lanza, Gisela)
				(208) Towards Coordination in Robust Supply Networks(Egri, Peter; Kadar, Botond; Váncza, József)
				(526) Equipment Selection and Evaluation Approach for an Adaptable Assembly Line (Angius, Alessio; Colledani, Marcello; Manzini, Massimo; RATTI, Andrea; Urgo, Marcello)
				(546) Technology Based Industrial Product-Services Supporting Robustness in Manufacturing Systems (Colledani, Marcello; Silipo, Laura; Yemane, Anteneh; Lanza, Gisela; Stricker, Nicole; Ziprani, Francesco; Fogliazza, Giuseppe)
	TU-A-3	Systematic innovation and lean approach in engineering *(room C001)*	**Design Problem Solving with Systematic Innovation** *Chairs :Helena V. G. Navas, Eynard Benoit*	(533) Assessment of Lean Manufacturing and Six Sigma Operation with Decision Making Based on the Analytic Hierarchy Process (Alhuraish, Ibrahim; christian, robledo; KOBI, Abdessamad)
				(511) Strategic Lean Management: Integration of Operational Performance Indicators for Strategic Lean Management(Cortes, Hector; Daaboul, Joanna; Le Duigou, Julien; Eynard, Benoit)
				(490) Strengths and Weaknesses of Small and Medium Sized Enterprises Regarding the Implementation of Lean Manufacturing (MOEUF, Alexandre; TAMAYO GIRALDO, SIMON; LAMOURI, Samir; PELLERIN, Robert; Lelièvre, Adrien)
				(553) Integrating Lean Perspectives and Knowledge Management in Services: Application to the Service Department of a CNC Manufacturer (ZHAO, PENG; Rose, Bertrand; Rasovska, Ivana)
	TU-A-4	Healthcare *(room C002)*	**Virtual Metrology, Equipment Health Monitoring and their Interactions in Semiconductor Manufacturing** *Chairs: Tay Huay Ling . Ait El Cadi Abdessamad*	(326) Regression Methods for Predicting the Product's Quality in the Semiconductor Manufacturing ProcessS (MELHEM, Mariam; Ananou, Bouchra; ouladsine, mustapha; Pinaton, Jacques)
				(382) Virtual Metrology on Semiconductor Manufacturing Based on Just-In-Time Learning (Jebri, Mohamed Ali; EL ADEL, El Mostafa; Graton, Guillaume; ouladsine, mustapha; Pinaton, Jacques)
				(502) Using Discrete Event Simulation to Evaluate Operating Theater Layout(CHRAIBI, Abdelahad; Ait El Cadi, Abdessamad; kharraja, Saïd; Artiba, Abdelhakim)
				(428) The Skiving Stock Problem and Its Application to Cognitive Radio Networks(Martinovic, John; Jorswieck, Eduard; Scheithauer, Guntram)
				(101)Optimization of the Structure and Execution Modes of Intersecting Operation Sets (Levin, Genrikh; Rozin, Boris; Dolgui, Alexandre)
	TU-A-5	Optimization for transportation and vehicle routing problems *(room B101)*	**Hybrid approaches for efficient solutions in transportation, logistic and mobility** *Chairs: Said Hanafi, Christian Prins*	(78) On Short-Term Traffic Flow Forecasting and its Reliability (Abouaïssa, Hassane; Fliess, Michel; Join, Cédric)
				(161) A Hybrid Control for a Pi-Cross-Dock: Simulation Approach (TETOUANI, Samir)
				(580)An Efficient Matheuristic for the Multicommodity Fixed-Charge Network Design Problem (Gendron, Bernard; Hanafi, Said; Todosijevic, Raca)
				(581) Smart Cargo for Multimodal Freight Transport: When "Cloud" Becomes "Fog" (R. Costa, R. Jardim-Goncalves, P. Figueiras, Margherita Forcolin, Mitja Jermol, Richard Stevens)
	TU-A-6	Reliability, maintenance and Safety *(room B105)*	**Stochastic modeling for reliability assessment and prognosis of complex systems** *Chairs: Antoine Grall, Daoud Ait Kadi*	(241) Modelling Complex Large Scale Systems Using Object Oriented Bayesian Networks (OOBN) (LIU, Quan; Tchangani, Ayeley, Philippe; Peres, Francois)
				(90) Risk Assessment Using Bayesian Belief Networks and Analytic Hierarchy Process Applicable to Jet Engine High Pressure Turbine Assembly (Pereira, Jose Cristiano; Fragoso, Marcelo; Todorov, Marcos G.)
				(423) Methods of Reliability Assessment of Heterogeneous Redundant Systems (Rogova, Elena; Lodewijks, Gabriel)
				(424) Modelling the Production Systems in Industry 4.0 and Their Availability with High-Level Petri Nets (Long, Fei; Zeiler, Peter; Bertsche, Bernd)
				(441) Computing the Reliability Kernel of a Time-Variant System: Application to a Corroded Beam (Brias, Antoine; Mathias, Jean-Denis; Deffuant, Guillaume)
	TU-A-7	Signal processing and system control *(room C102)*	**Optimization in Wireless Sensor networks** *Chairs: Faicel Hnaien, Hichem Snoussi*	(88)Synthesis of a Control System Using the Genetic Algorithms (Denisova, Ludmila; Mescheryakov, Vitaly)
				(114) Integration of a PID Control System for a Mobile System for Manufacturing Task on Continuous Conveyor (Zou, Wenchao; Le, Duc Tho)
				(116)A Loop Closure Improvement Method of Gmapping for Low-Cost and Resolution Laser Scanner (Wang, Peng; Chen, Zonghai; Zhang, Qibin; sun, jian)
				(130) Experimental Study of Robotic-Based Machining (Klimchik, Alexandr; Ambiehl, Alexandre; Garnier, Sébastien; Furet, Benoit; Pashkevich, Anatol)
				(492) Experimental Investigation of Tool Wear Behavior of Multi-Layered Coated Carbide Inserts Using Various Sensors in Hard Turning Process (Kene, Amarjit; Orra, Kashfull; Choudhury, Sounak)
	TU-A-8	Supply Chain Analytics and Risk Control *(room C103)*	**Human factors in industrial and logistic system design** *Chairs: Fabio Sgarbossa, Patrick Neumann*	(324) Selection of Assembly Lines Feeding Policies Based on Parts Features (Caputo, Antonio Casimiro; Pelagagge, Pacifico Marcello; Salini, Paolo)
				(309) The Integrated Assembly Line Balancing and Parts Feeding Problem with Ergonomics Considerations (Battini, Daria; Calzavara, Martina; Otto, Alena; Sgarbossa, Fabio)
				(313) Integration of Learning and Forgetting Processes with the SHERPA Model (Di Pasquale, Valentina; Miranda, Salvatore; Iannone, Raffaele; Riemma, Stefano)
				(335) A Social-Behavioural Approach to Project Work under Uncertainty (Hajnalka Vaagen, Eirik Borgen, Mathias Hansson)
				(378) Evaluation of Guidelines for Assembly Instructions(Mattsson, Sandra; Li Dan; Fast-Berglund, Aasa)
	TU-A-9	Rand Model Designer *(room C104)*	Tutorial 1	Destination and Architecture. Examples of manufacturing using (Yuri Senichenkov)
12:40 pm - 2:00 pm	***lunch***			
2:00 pm - 3:00 pm	Plenary session : **Prof. Michel Gendreau** (room M500) Chair : Pr. C. PRINS			
	sessions TU-B			
	TU-B-1	Cutting and Scheduling *(room A001)*	**Combinatorial models in scheduling** *Chairs : Arkhipov Dmitry, Stanley Gershwin*	(212) Good Production Cycles for Circular Robotic Cells (Thiard, Florence; Catusse, Nicolas; Brauner, Nadia)
				(230)A Mathematical Model for the Astronaut Training Scheduling Problem (Musatova, Elena; Lazarev, Alexander; Ponomarev, Konstantin; Yadrentsev, Denis; Bronnikov, Sergey; Khusnullin, Nail)
				(343) On a Generalized Single Machine Scheduling Problem with Time-Depending Processing Times (Lazarev, Alexander; Arkhipov, Dmitry; Werner, Frank)
				(503)Two-Station Single Track Scheduling Problem (Zinder, Yakov; Lazarev, Alexander; Musatova, Elena; Tarasov, Ilya; Khusnullin, Nail)
				(537)Flexible Flow Shop with Storage: Complexity and Optimisation Methods (Fung, Joey; Zinder, Yakov; Singh, Gaurav)
	TU-B-3	Data mining and knowldge management *(room A002)*	**Internet of Things Optimization** *Chairs: Leila merghem boulahia, Pirani Massimiliano*	(367) BAT-CLARA: BAT-Inspired Algorithm for Clustering LARge Applications(yasmin, aboubi; Drias, Habiba; KAMEL, Nadjet)
				(391) A Database-Centric Approach for Modeling and Simulation of Cyber-Physical Systems in the Factory of the Future (Bonci, Andrea; Pirani, Massimiliano; Longhi, Sauro)
				(451)Minimization of Service Disturbance: VSM Based Case Study in Telecommunication Industry (Stadnicka, Dorota; Ratnayake, R.M. Chandima)
				(542) Evaluation Framework for Virtual Training within Mixed-Model Manual Assembly (Hoedt, Steven; Claeys, Arno; Van Landeghem, Hendrik; Cottyn, Johannes)

3:00 pm - 4:40 pm	TU-B-4	Finance and chain value *(room C002)*	**Operations risk analytics and pricing** *Chairs: Dhaenens Clarisse, Alexandre Dolgui*	(111) Jointly Optimising Prices for Primary and Multiple Ancillary Products (Wilson, John)
				(120) Optimization of Business Game Decisions (DUFOURNY, Sylvain; Dhaenens, Clarisse)
				(321) A Decision Support Framework for Optimal Pricing and Advertising of Digital Music As Durable Goods (Ko, Hing Tobey; Lau, Henry)
				(489) Non-slowing economic growth rate of inflation (NSEGRI): regression modelling (Goridko, Nina; Nizhegorodtsev, Robert)
				(416) Analysis of trade credit with a capital-constrained newsvendor with fuzzy demand (Baofeng, Zhang; Ding, Tao; Desheng, Wu)
	TU-B-5	Manufacturing Systems Design *(room B101)*	**Stochastic modeling and performance evaluation of manufacturing systems** *Chairs: Yassine Ouazene, Marcello Colledani*	(362) Framework for Simulation-Based Performance Assessment and Resilience Improvement (Schattka, Moritz; Puchkova, Alena; McFarlane, Duncan Campbell)
				(457) Production Policy Optimization in Flexible Manufacturing-Remanufacturing Systems (Polotski, Vladimir; Kenné, Jean-Pierre, Gharbi Ali)
				(479) Multi-Item Capacitated Lot-Sizing Problem in a Flow-Shop System with Energy Consideration (Masmoudi, Oussama; Yalaoui, Alice; OUAZENE, Yassine; CHEHADE, Hicham)
				(523)Analysis of the Lead Time Distribution in Closed Loop Manufacturing Systems (Colledani, Marcello; Angius, Alessio; Horvath, Andras; Gershwin, Stanley)
				(562) Comparison of Multiobjective Algorithms for the Assembly Line Balancing Design Problem(Oesterle, Jonathan; Amodeo, Lionel)
	TU-B-6	Reliability, maintenance and Safety *(room B105)*	**Risk Management and Recovery Control** *Chairs: Eric Chatelet, Sofiene Dellagi*	(115) A Methodology for Complex System Quality Model Construction – First Level (Gitto, Jean-Philippe; Bosch-Mauchand, Magali; Durupt, Amélie; Cherfi, Zohra; Guivarch, Isabelle)
				(197) Modelling Non-Deterministic Causal Mechanisms Involving Resilience in Risk Analysis (De Galizia, Antonello; WEBER, Philippe; SIMON, Christophe; IUNG, Benoît; DUVAL, Carole; Serdet, Emmanuel)
				(314) Constraint Satisfaction Problem Based on Flow Graph to Study the Resilience of Inland Navigation Networks in a Climate Change Context (NOUASSE, Houda; Doniec, Arnaud; Lozenguez, Guillaume; Duviella, Eric; Chiron, Pascale; Archimede, Bernard; Chuquet, Karine)
				(410) A Fundamental Positive Investigation into Japanese Seru Production Systems (Kaku, Ikou)
				(574) Hybrid Hidden Markov Models for Resilience Metric in a Dynamic Infrastructure System (Zhao, Sixiang; Liu, Xiao; Zhuo, Yihe)
	TU-B-7	Signal processing and system control *(room C102)*	**System Identification for Manufacturing Control Application** *Chairs: Vladimir Lototsky, Natalia Bakhtadze*	(155)Evaluation of the Power System Stability Based on the Use of a Virtual Digital Analyzer(Yadykin, Igor)
				(156) Stability Analysis Methods of Discrete Power Supply Systems in Industry (Yadykin, Igor; Bakhtadze, Natalia; Lototsky, Vladimir; Sakrutina, Ekaterina, Maximov Eugene)
				(162)Viscosity Solution of Bellman-Isaacs Equation Arising in Non-Linear Uncertain Object Control(Afanas'ev, Valery)
				(164) Stability Investigation of Difference Schemes for Gas Dynamics Equations(Akhmetzyanov, Atlas; Boronin, Ivan; Salnikov, Anton; Shevlyakov, Andrey)
				(170) Scenario Research of Complex Manufacturing Systems' Vulnerability (Kulba, Vladimir; Kononov, Dmitry; Zaikin, Oleg, Lise Busk Kofoed)
	TU-B-8	Simulation and discret event *(room C103)*	**Discrete event systems for manufacturing systems** *Chairs: Dimitri Lefebvre, Alexandre Philippot*	(103) ANN Modelling to Optimize Manufacturing Processes: The Case of Laser Welding (Casalino, Giuseppe; Facchini, Francesco; Mortello, Michelangelo; Mummolo, Giovanni)
				(147) Deadlock-Free Scheduling for Flexible Manufacturing Systems Using Untimed Petri Nets and Model Predictive Control(Lefebvre, Dimitri)
				(163) State Estimation for DES According to Partially Observed Stochastic Petri Nets (Ammour, Rabah; leclercq, edouard; Sanlaville, Eric; Lefebvre, Dimitri)
				(196) Distributed Supervisory Control Synthesis for Discrete Manufacturing Systems (Qamsane, Yassine; Tajer, abdelouahed; Philippot, Alexandre)
				(240)CSP Solver for Safe PLC Controller: Application to Manufacturing Systems (Riera, Bernard; Ben Rabah, Nourhène; Pichard, Romain; CARRE-MENETRIER, VERONIQUE)
	TU-B-9	Industrial session *(room C104)*	**Routing and scheduling problem and opportunities** *Chairs: Fréderic Gardi, Amir Nakib*	OPTA Urgences : an innovative software for forecasting in medical and emergency centers (H. Chehade)
				LocalSolver: a new kind of mathematical optimization solver (Frédéric Gardi)
				Operation Research in the DGA, challenges and opportunities (Florence Dudych, Nicolas Dupin et Pierre Bazot)
				The Vehicle Routing problem: the case of postal service. (Servius)
4:40 pm - 5:00 pm	***coffee break***			
	sessions TU-C			
5:00 pm - 6:40 pm	TU-C-1	Cutting and Scheduling *(room A001)*	**Scheduling with operators** *Chairs: Djamal Rebaine, Karim Amrouche*	(141)The Migrating Birds Optimization Metaheuristic for the Permutation Flow Shop with Sequence Dependent Setup Times(Benkalai, Imene; Rebaine, Djamal; Gagné, Caroline; Baptiste, pierre)
				(160) The Chain-Reentrant Shop with the No-Wait Constraint (Amrouche, karim; Boudhar, Mourad; Yalaoui, Farouk)
				(374) Reducing Production Cycle Time by Ergonomic Workforce Scheduling (moussavi, seyed esmaeil; mahdjoub, morad; Grunder, Olivier)
				(594) Strongly Fully Polynomial Time Approximation Scheme for the Weighted Completion Time Minimization Problem on Two-Parallel Capacitated Machines(Imed Kacem, Myriam Sahnoune, Günter Schmidt)
				(595)Data Mining Approaches for the Methods to Minimize Total Tardiness in Parallel Machine Scheduling Problem (Özlem Şenvar, Farouk Yalaoui, Frédéric Dugardin, Andres Felipe Bernate Lara)
	TU-C-2	Integration of complex problems in the Supply Chain Management *(room A002)*	**Robust optimization: advances and industrial applications** *Chairs: Andréa Cynthia Santos, Christophe Duhamel*	(207) A Scenario Based Heuristic for the Robust Shortest Path Tree Problem (Carvalho, Iago Augusto; Noronha, Thiago Ferreira; Duhamel, Christophe; Vieira, Luiz Filipe Menezes)
				(253) Supplier Selection and Order Allocation under Disruption Risk (Hamdi Faiza; Dupont Lionel; Ghorbel Ahmed; Masmoudi Faouzi)
				(402) Coupling Scenario-Based Heuristics to Exact Methods for the Robust Set Covering Problem with Interval Data (Almeida Coco, Amadeu; Santos, Andréa Cynthia; Noronha, Thiago Ferreira)
				(443) Robust Optimization for OSPF Routing (Magnani, Daniel Brasil; Carvalho, Iago Augusto; Noronha, Thiago Ferreira)
	TU-C-3	Data mining and knowldge management *(room C001)*	**Modelling and management of Experiences, Knowledge and Competences for Manufacturing Systems** *Chairs: Eric Bonjour, Nada Matta*	(159) Beyond Productivity and Continuous Improvement: Fundamentals Required for Lean Complex Transformation (LEANDRO, Ronald; Grabot, Bernard; Houe, Raymond)
				(235) KTR: An Approach That Supports Knowledge Extraction from Design Interactions (Rauscher Francois, Matta Nada and Atifi Hassan)
				(340) Design of a Log Sorting X-Ray System Based on Domain Ontologies (Bombardier, Vincent; Charpentier, Patrick; ALMECIJA, Benjamin)
				(509) Implementations of Model Based Definition and Product Lifecycle Management Technologies: A Case Study in Chinese Aeronautical Industry(Zhu, Wenhua; Bricogne, Matthieu; Durupt, Alexandre; Remy, Sébastien; Li, Baorui; Eynard, Benoit)
	TU-C-4	Manufacturing Systems Design *(room C002)*	**Balancing and Sequencing of Flexible and Reconfigurable Production Lines** *Chairs: Olga Battaïa, Xavier Delorme*	(222) Heuristics for Batch Machining at Reconfigurable Rotary Transfer Machines (Battaïa, Olga; Dolgui, Alexandre; Guschinsky, Nikolai)
				(491) Decentralized Management of Intersections of Automated Guided Vehicles (Lombard, Alexandre; Perronnet, Florent; ABBAS-TURKI, Abdeljalil; El Moudni, Abdellah)
				(504) Modelling Production Cost with the Effects of Learning and Forgetting(Francesco Lolli, Michael Messori, Rita Gamberini, Bianca Rimini, Elia Balugani)
				(506) A Multi-Objective Approach for Design of Reconfigurable Transfer Lines (Delorme, Xavier; Malyutin, Sergey; Dolgui, Alexandre)
				(587) Iterated Local Search for Dynamic Assembly Line Rebalancing Problem (Manceaux, Antoine; Hind, Bril El-Haouzi; RAMDANE CHERIF, WAHIBA, BENTAHA Mohand Lounes)
	TU-C-5	Optimization for transportation and vehicle routing problems *(room B101)*	**Risk management and transportation** *Chairs: Caroline Prodhon, Nubia Velasco*	(323) A Multiple Objective Mathematical Program to Determine Locations of Disaster Response Distribution Centers (Yilmaz, Hafize; Kabak, Ozgur)
				(346) Column Generation Based Heuristic for the Vehicle Routing Problem with Time-Dependent Demand (Victoria, Jorge F.; Afsar, Murat; Prins, Christian)
				(357) Shortest Path Algorithm for Optimal Sectioning of Hydrocarbon Transport Pipeline(Cano-Acosta, Alejandra; Fontecha, John; Velasco, Nubia; Muñoz, Felipe)
				(369) Mixed Integer Linear Programming Model for Vehicle Routing Problem for Hazardous Materials Transportation (Bula, Gustavo; Prodhon, Caroline; Velasco, Nubia; Afsar, Murat)
	TU-C-6	Posters Session *(ground floor A)*	**Management and monitoring** *Chairs: Nathalie Sauer, Rosa Abbou*	(261) Exact Model for a Selective Pick up and Delivery Problem with Time Windows (AL CHAMI, Zaher; MANIER, HERVE; MANIER, MARIE-ANGE)
				(264) Monitoring and reporting of production in SCADA systems (Alszer, Sara)
				(295) Strategy and operation towards leagility a case study on production-logistics system (Stachowiak, Agnieszka; Hadas, Lukasz; Cyplik, Piotr)
				(425) Selecting a WEEE Recovery Strategy under Uncertainty (DHIB, somaya; Addouche, Sid-Ali; EL MHAMEDI, Abderrahman; Loukil, Taicir)
				(83) Online Identification of Nonlinear System using Kernel PCA Neural Networks: Application to system of CSTR (errachdi, Ayachi; Benrejeb, Mohamed)

				(166) Towards a PLM Approach supporting collaborations in Medical Sector (Ngo, Thanh-Nghi; BELKADI, Farouk; Bernard, Alain)
				(539) An algorithm for modelling the manufacturing plant based on energy performances and productivity KPIs (Bonci, Andrea; Pirani, Massimiliano; Longhi, Sauro)
	TU-C-7	Reliability, maintenance and Safety *(room B105)*	**Optimization and simulation in maintenance, production and quality** *Chairs: Mohammed Dahane, Lemoine David, M'hammed Sahnoun*	(12) Towards Proactive Maintenance Actions Scheduling in the Semiconductor Industry (SI) Using Bayesian Approach (BEN SAID, Anis; SHAHZAD, Muhammad Kashif; ZAMAÏ, Eric; Hubac, Stephane; Tollenaere, Michel)
				(498)Integrated Single Item Lot-Sizing and Quality Inspection Planning (Bettayeb, Belgacem; Brahimi, Nadjib; Lemoine, David)
				(233) A Mixed-Integer Programming Model for Integrated Production and Maintenance (Hnaien, Faicel; Yalaoui, Farouk; Nourelfath, Mustapha; Mhadhbi, Ahmed)
				(13) Towards Quantified Measures of Agility for Production Line Information Systems (SHAHZAD, Muhammad Kashif; CRUZ JIMENEZ, Camilo; BEN SAID, Anis; Tollenaere, Michel)
				(547) Impact of Preventive Maintenance on the Service Level of Multi-Stage Manufacturing Systems with Degrading Machines(Colledani, Marcello; Yemane, Anteneh; Silipo, Laura; Angius, Alessio)
	TU-C-8	Signal processing and system control *(room C102)*	**System Identification for Manufacturing Control Application** *Chairs: Vladimir Lototsky, Natalia Bakhtadze*	(209)Experimental Gaming Analysis of ADMM Dynamic Distributed Optimization Algorithm(Korgin, Nikolay; Korepanov, Vsevolod)
				(227) Identification of Nonlinear Dynamic Systems with Feedback of Manufacturing Processes (A. Prangishvili, B. Shanshiashvili, Z. Tsveraidze)
				(265) The Cognitive Approach to the Problem of Identification Validity in Cognitive Mapping (Abramova, Nina)
				(298) Unsupervised Bayesian Hypothesis Testing (Vasilyev, Vasily; Dobrovidov, Alexander V.)
				(317) Demand Estimation for Fast Moving Items and Unobservable Lost Sales (Kitaeva, Anna; Stepanova, Natalya; Zhukovskaya, Alexandra; Jakubowska Urszula)
	TU-C-9	Supply Chain Analytics and Risk Control *(room C103)*	**Sustainable Logistics and Closed Loop Supply Chain** *Chairs: Matthieu Godichaud, Lionel Amodeo*	(92) Allocation of Carbon Emissions in Supply Chains (Gopalakrishnan, Sanjith; Granot, Daniel; Granot, Frieda; Sosic, Greys; Cui, Hailong)
				(131) Modeling and Optimization of Biomass Supply Chains: A Review and a Critical Look (Zandi Atashbar, Nasim; LABADIE, Nacima; Prins, Christian)
				(143) A Modal Interval Based Genetic Algorithm for Closed-Loop Supply Chain Network Design under Uncertainty (Min Huang. Pengxing Yi. Lijun Guo. Tielin Shi)
				(218) Joint Strategic and Tactical Planning under the Dynamics of a Cap-And-Trade Scheme (García, Marthy; Paquet, Marc; Chaabane, Amin)
				(448) Heuristics for Multi-Product Capacitated Disassembly Lot Sizing with Lost Sales (godichaud, matthieu; Amodeo, Lionel, Hrouga Mustapha)

8:00 pm - 9:30 pm	***Welcome Reception*** (Museum of Craft Tools and Work Reflection, city center)