IMPORTANT INFORMATION

MONEY EXCHANGE
Currency is Chilean Peso ($).
Exchange rate Peso to US$ stays relatively stable over time. Currency rate (July 2007) is approximately $515/US$1, while Euro exchange rate is approximately $715/€1.
Money exchange is possible at Banks and Exchange Houses (“Casas de Cambio”), no document is needed for small quantities.
Banks open from Monday to Friday, 9:00 to 14:00.

Sales Tax is 19% and is always included in the price of all products, unless stated otherwise. Hotel rates for non-residents SHOULD be exempted of sales tax.

TELEPHONE CALLS
In Chile there are 3 mobile phone service providers, which operate on GSM network: Movistar(Bellsouth), EntelPCS, and Claro. All three have roaming enabled.

International calls can be made from almost every payphone or call center.

For local calls (Viña del Mar and Valparaiso) dial:
[7 digits Phone number]

For call to cellphones, please dial:
09 + [Mobile Phone Number]

For long distance national calls (Santiago or any other city), please dial:
[Carrier number] + [Area code] + [Phone number]

For international calls, please dial:
[Carrier number] + 0 + [Country code] + [Area code] + [Phone number]

Please note that calls made from call centers (“Centro de llamados”), might result less expensive than calls made from hotels or payphones.
ELECTRIC POWER
Chile’s electric output is alternate current, 220 Volts, 50 Hz.

EMERGENCY NUMBERS
Ambulance: 131
Fire Department: 132
Police: 133

METRO TRAIN (Merval)
Metro train connects Viña del Mar and Valparaiso with inner cities of the region. Service starts at 6:30 on weekdays and 8:00 AM on weekends (the first train stops at Viña del Mar station at 7:09 AM (weekdays). Please allow a couple of minutes of variability. This first train arrives at “Francia station” (across the street of IBC building) at 7:19 AM (weekdays). Train frequency is 18 minutes. Merval operates until 11:00 PM approximately.
In order to Metro Train, you need to buy a Merval Card or a Tourist Card ($4990) at any Station. Tourist Card allows 3 days of unlimited usage. After the 3 days it can be charged and regular fees apply. Card must be held near a sensor in order to access the station and also when leaving the station, after the trip (the system computes the charge at that time). Travel cost varies on starting and ending stations. A trip between “Viña del Mar” station and “Francia” station costs between $370 and $400.

CITY BUSES
Great Valparaiso Metropolitan Area public transportation system, consists of 27-seat buses, called “Micros”. Micros have no scheduled or planned travel times, so it’s possible to find one at any time. The do have stop places called “paraderos” every few blocks. Micros operate 24 hours a day, but after 10:30 PM, frequency diminishes. Micros travel through important streets and avenues, like Libertad Av. (both ways), 1 Norte Av. (both ways), Alvarez St. (towards Viña del Mar), Arlegui St. (towards Valparaiso). Trip between Viña del Mar and Valparaiso (and backwards) is made through España Avenue. In Valparaiso, coming from Viña del Mar, micros can take 3 alternative roads: Errázuriz Avenue, Chacabuco Street, or Colon Street. If you go to IBC Building, you should prefer Micros going by Errazuriz Av. This is
usually written in a sign on the Micro’s windshield, or you can also ask the driver. Fee for traveling from Viña del Mar to Valparaiso or backwards is between $350 and $400, depending on the bus line. Be aware that Micros usually drive at high speeds and normally drivers do not speak English.

TAXI
You can call over the phone for a taxi to pick you up at your hotel, to any of the taxi cab companies in the telephone guide or have the main desk to make the request. A trip between Hotel San Martin in Viña del Mar and IBC Building in Valparaíso ranges between $4500 and $5000.
City plan of Viña del Mar
City plan of Valparaiso
IBC Fourth floor

IBC Fifth floor
IBC Sixth floor
**Session Mo1.1: Design of production systems [10:30 IBC 4-3]**

APPLICATION OF THE FISSIPAROUS ALGORITHM IN THE DESIGN OF FLEXIBLE MIXED-PRODUCT LINES
Aritoshi Kimura, Takayuki Kataoka (Japan)

A GENERIC MODEL OF THE CREATIVE PROCESS IN PRODUCTION SYSTEMS DESIGN
Cecilia Zanni, Marc Barth, Adrien Guénebaut, Roland de Guio

AN ECO-ARCHITECTURE BASED APPROACH FOR SUPPORTING DESIGN FOR DISASSEMBLY
M.J. Kwak, Yoo Suk Hong, N.W. Cho (Korea)

A NEW APPROACH TO LINKING VALUE ENGINEERING & LEAN METHODOLOGY
Amir Shekari, Soheil Fallahian (Iran)

SW-DMAIC: A NEW SIX SIGMA GENERATION TO SOFTWARE DEVELOPMENT PROCESS IMPROVEMENT
Mauro de Mesquita S., F.J.B. Laurindo, Antonio Carlos Tonini (Brazil)

MEASURING SIMILARITY OF ELEMENTS MANUFACTURED IN PRODUCTION UNITS
Marek Fertsch, Danuta Glowacka-F. (Poland)

**Session Mo1.2: Intelligent Manufacturing [10:30 IBC 4-4]**

THE EFFECT OF MODULAR STRUCTURE ON THE MANUFACTURING COSTS OF FORMING TOOLS
Juha Varis, M. Kainusalmi, Reetta Kinisjärvi (Finland)

A WORKFLOW MODEL BASED ON RECURSIVE PETRI NETS FOR FLEXIBLE MANUFACTURING PROCESSES
Kamel Barkaoui, Awatef Hicheur (France)

DISASSEMBLY SEQUENCING FLEXIBILITY – A JOINT CELLULAR DISASSEMBLY MODEL
Ikou Kaku (Japan)

FLEXIBLE RECONFIGURATION AND MAINTENANCE THROUGH SIMPLE
INTERFACES FOR MECHATRONIC MODULES IN MANUFACTURING SYSTEMS
S. Schmitz, Armin Lechler, C. Kircher, K.-H. Wurst (Germany)

CHARLES DARWIN VISITS OUR NEW SHOP FLOOR CONTROL SYSTEM
Ricardo Palma (Argentina)

RECONFIGURABLE ORGANIZATION TO COPE WITH UNPREDICTABLE GOALS
Mario Sergio Salerno (Brazil)

Session Mo1.3: Management Systems [10:30 IBC 4-5]

ENTERPRISE / FACTORY SYSTEM: A STOCHASTIC MANAGEMENT APPROACH
Masayuki Matsui (Japan)

ANALYSIS OF THE RELATIONSHIP AMONGST PRODUCTION EFFICIENCY, PRODUCT CompleXITY AND TARGET MARKET
M. O. A. González, Pedro Carlos Opprime, Jose Carlos de Toledo (Brazil)

DEVELOPMENT OF EDUCATIONAL PROGRAM FOR PRODUCTION MANAGER LEADING NEW PERSPECTIVES ON MANUFACTURING TECHNOLOGY
Kazuyoshi Ishii, H. Ikeda, M. Nakano, A. Tsuchiya (Japan)

MODELING OF RESPONSE CAPABILITY OF A PRODUCTION SYSTEM
German Moncada, Luis Quezada, Pedro Palominos (Chile)

ROBUST SET OF NONDOMINATED SCHEDULES UNDER SCENARIOS WITH OCURRENCE PROBABILITIES
Kazuko Morizawa, M. Nishimura, H. Nagasawa (Japan)

IDENTIFYING PERFORMANCE MEASUREMENT STANDARDS OF USE IN AGRIBUSINESS ORGANIZATIONS
Aldo Cunha Callado, Luiz Bueno da Silva (Brazil)

Session Mo1.4: Collaborative Systems [10:30 IBC 5-1]

COMMUNICATION PROTOCOLS FOR ORDER MANAGEMENT IN COLLABORATIVE MANUFACTURING
W.L. Chen, T.S. Huang, Chin-Yin Huang (Taiwan)
EFFECTS OF COORDINATION POLICIES ON LOGISTICS PERFORMANCE IN SUPPLY CHAINS
A. Messeni Petruzelli, Vito Albino (Italy)

SHAPING COLLABORATION IN NEW PRODUCT DEVELOPMENT THROUGH NEGOTIATION AND AUCTIONS
Paolo Roma, Manfredi Bruccoleri, Giovanna Lo Nigro, G. Perrone (Italy)

OPTIMAL DEPLOYMENT OF COLLABORATIVE WIRELESS MICROSENSORS IN MANUFACTURING FACILITIES
W. Jeong, Shimon Y. Nof (USA)

DYNAMIC COOPERATION NETWORKS AND VIRTUAL ORGANIZATIONS
Joao Amato Neto (Brazil)

PROGNOSTICS AND DIAGNOSTICS OF CONFLICTS AND ERRORS OVER E-WORK NETWORKS
X.W. Chen, Shimon Y. Nof (USA)

Session Mo1.5: Human Factors [10:30 IBC 6-1]

LINKING ERGONOMICS EVALUATION AND ASSEMBLY SYSTEM BALANCING PROBLEM IN A NEW INTEGRATED PROCEDURE
Daria Battini, A. Persona, F. Sgarbossa, M. Faccio (Italy)

USER SUPPORTIVE PRODUCTION KNOWLEDGE SYSTEM IN MANUFACTURING ENVIRONMENT
Mari Lehtonen, Juha Varis, Mikael Ollikainen (Finland)

A METHODOLOGY FOR MANAGING COMPETENCES WITHIN ORGANIZATIONS – A BOTTOM-UP APPROACH
Jean-Marie Fürbringer, Remy Glardon, N. Cheikhrouhou (Switzerland)

SCIENCE, TECHNOLOGY AND INNOVATION INDICATORS: HUMAN INTERACTION IN RESEARCH GROUPS
Rejane Sartori, R. C. S. Pacheco (Brazil)

PLM EDUCATION IN PRODUCTION DESIGN AND PRODUCTION ENGINEERING BY E-LEARNING
Ichie Watanabe, Tetsuo Yamada, Munenori Kakehi (Japan)
A CASE STUDY OF ATTRACTIVE FACTORS FOR INTELLIGENCE CAPITAL IN INDUSTRY CLUSTERS
Cai Hong, Wang Ge, Hu Bei (China)

Session Mo1.6: Environmental and Social Issues [10:30 IBC 6-2]

REFLECTIONS CONCERNING THE SUSTAINABILITY OF THE BRAZILIAN ELECTRIC POWER INDUSTRY

WHAT IS THE ROLE OF EMOTION IN ORGANIZATIONAL CULTURE?
Geralda Paulista, Jairez Elói, Gregorio Varvakis (Brazil)

CIVIL CONSTRUCTION: INFLUENCE OF THE THERMO-ENVIRONMENTAL AND PERSONAL VARIABLE IN THE PERFORMANCE OF THE LABORERS
Luiz B. Silva, P.C. Argolo, Antônio Coutinho, Dácio Camerino (Brazil)

REPORTING CORPORATE SOCIAL RESPONSIBILITY IN THE SUPPLY CHAIN
Pierpaolo Pontrandolfo, Barbara Scozzi, Francesco Ciliberti (Italy)

LOGISTICAL CHAINS IN THE AMAZON: ENVIRONMENTAL IMPACT FOCUSED IN ENERGY CONSUMPTION
Ocileide da Silva, S. Dacol (Brazil)

ENVIRONMENTAL BURDEN ANALYSIS DUE TO HIGH SPEED MILLING
Hirohisa Narita, H. Fujimoto (Japan)

Session Mo2.1: Process Re-engineering [14:00 IBC 4-3]

DEVELOPING A PROCESS RE-INGENEEERING-ORIENTED ORGANIZATIONAL CHANGE EXPLORATORY SIMULATION SYSTEM (PROCESS)
C.H. Tsai, D. S. Shiau, Chi-Kuang Chen (Taiwan)

INFORMATION MANAGEMENT FOR MATERIALS SUPPLY SYSTEMS DESIGN
Eva Johansson (Sweden)
Session Mo2.2: Flexibility in Manufacturing [14:00 IBC 4-4]

GENERIC CONCEPTS OF FLEXIBILITY
G. Fitzgerald, G. Alaa, Miryam Barad, A. Papazafeiropoulou (United Kingdom)

HEURISTIC METHODS FOR A TRANSFER LINE BALANCING PROBLEM
Alexandre Dolgui, O. Guschinskaya (France)

Session Mo2.3: Scheduling and Control Systems [14:00 IBC 4-5]

A NEW GREEDY HEURISTIC FOR THE SINGLE MACHINE TOTAL WEIGHTED TARDINESS PROBLEM
Pedro Palominos, Patricio Silva, Patricio Araya (Chile)

A KNOWLEDGE BASED SYSTEM FOR SUPERVISED OPERATIONS OF AN UNDERGROUND MINE
F.M. Cordova, Luis Quezada, C. Valderrama, L. R. Atero (Chile)

Session Mo2.4: Advanced Management Systems [14:00 IBC 5-1]

SUPPLY CHAIN MAPPING INITIATIVES IN BRAZIL: CHALLENGES AND OPPORTUNITIES
Dario Ikuo Miyake, Alvair Silveira Torres, Cleber Favaro (Brazil)

DATA ENVELOPMENT ANALYSIS AND THE GLOBAL PERFORMANCE OF A FIRM
Julio Miranda Pureza, L.V.O. Dalla Valentina, N.C.B. Rodrigues (Brazil)

Session Mo2.5: Performance Measurement [14:00 IBC 6-1]

PERFORMANCE THROUGH MEASURING LEADERS PROFILES: AN EMPIRICAL STUDY
Harri I. Kulmala, Lea Ahoniemi, Vesa Nissinen (Finland)

INTEGRATING ACTIVITY-BASED COSTING AND PROCESS SIMULATION IN HUMAN PLANNING BASED ON WORKERS SKILLS
Takayuki Kataoka, Kosuke Fujimoto, Aritoshi Kimura (Japan)
Session Mo2.6: Environmental Issues [14:00 IBC 6-2]

WATER AND ENERGY SAVINGS AS A REFLEX OF IMPROVEMENTS IN THE BEER PRODUCTION PROCESS
Aline de Araújo Silva, Fábio Morais Borges, Núbia Kelly R. Ribeiro, Lucia Helena Xavier (Brazil)

FORECASTING PRODUCTION OF RENEWABLE ENERGY USING COGNITIVE MAPPING AND ARTIFICIAL NEURAL NETWORK
Gülgün Kayakutlu, Didem Çınar (Turkey)

Session Mo3.1: Production Innovative Approaches [16:00 IBC 4-3]

FUZZY LOGIC IN DESIGN FRAMEWORKS
Michael P. Deisenroth, Andre Tietböhl Ramos (Brazil)

A SCENARIO DRIVEN SCHEME FOR RAPID MODELING OF INTERACTIVE VIRTUAL ENVIRONMENTS
Tzong-Ming Cheng, M.-H. Yeh (Taiwan)

CAN OPERATIONAL CENTRALIZATION/DECENTRALIZATION ACCELERATE NPD? AN EMPIRICAL EVIDENCE FROM CHINA
Bei Hu, Jian-an Chen (China)

INNOVATION: A DATA-DRIVEN PERSPECTIVE
Andrew Kusiak

HOW TO IDENTIFY LEAD USERS BY CUSTOMER COMPETENCE
Guozheng He, Rongqiu Chen (China)

SERVICE/PRODUCT ENGINEERING: A NEW DISCIPLINE FOR VALUE PRODUCTION
Tatsunori Hara, Tamio Arai, Yoshiki Shimomura, Tomohiko Sakao (Japan)

Session Mo3.2: Intelligent Manufacturing [16:00 IBC 4-4]

SOLVING THE MULTIPLE PLATFORMS CONFIGURATION PROBLEM
David Ben-Arieh, T. Easton, A.M. Choubey (USA)

INTEGRATED PRODUCT AND SERVICE ENGINEERING ENABLING MASS
CUSTOMIZATION
Erik Sundin, M. Lindahl, M. Comstock, Y. Shimomura, T. Sakao (Sweden)

REINGEENERING OF THE PRODUCTION SYSTEMS USING LEAN PRODUCTION CONCEPT
N. Nikolic, Z. Babic, Ivica Veza, N. Gjeldum (Croatia)

VIRTUAL MANUFACTURING CELL FORMATION PROBLEM (VMCFP) IN A DISTRIBUTED LAYOUT
Ana Raquel Xambre, P.M. Vilarinho (Portugal)

THE PRINCIPLES AND PLANNING PROCESS OF AN ELECTRONIC KANBAN SYSTEM
Ilkka Kouri, T.J. Salmimaa, I.H. Vilpola (Finland)

A FRAMEWORK FOR EVALUATION AND PRIORITIZATION OF KNOWLEDGE MANAGEMENT INITIATIVES BY AN ANALYTICAL NETWORK PROCESS
Juan Sepúlveda, Gloria Tapia (Chile)

Session Mo3.3: Production Systems Planning [16:00 IBC 4-5]

A STUDY OF LABOR ASSIGNMENTS IN CELLULAR MANUFACTURING SYSTEMS
Shwu-Min Horng (Taiwan)

PRODUCTION PLANNING MODEL WITH SIMULTANEOUS PRODUCTION OF SPARE PARTS
Piotr Cyplik, Lukasz Hadas, Marek Fertsch (Poland)

OPERATING STRATEGIES FOR PRODUCTION PLANNING OF SEASONAL PRODUCTS
Alberto Regattieri, Filippo Bindi, Riccardo Manzini, A. Persona (Italy)

MARGINAL ANALYSIS GUIDED TECHNOLOGY EVALUATION AND SELECTION
Kim Hua Tan, James Noble (United Kingdom)

A HEURISTIC METHOD IN STATIC NURSE SCHEDULING
Kazuko Morizawa, H. Nagasawa (Japan)

INNOVATION AND PRODUCTIVITY: A STUDY IN CIVIL CONSTRUCTION BUILDING SUB-SECTOR
Berto Luiz Freitas Peixoto, Maria de Lourdes Barreto Gomes (Brazil)
Session Mo3.4: Production Systems Organization [16:00 IBC 5-1]

INTEGRATING LOGISTICS FACTORS INTO AN OUTSOURCING PROCESS
Anna Fredriksson, Eva Johansson (Sweden)

KNOWLEDGE AND FORMALIZATION OF SCM IN AUTOMOTIVE INDUSTRIES SUPPLIERS
Kazuo Hatakeyama, Patrícia Guarnieri (Brazil)

DISRUPTION MANAGEMENT IN DISTRIBUTED ENTERPRISES: A MULTIAGENT MODELING AND SIMULATION OF COOPERATIVE RECOVERY BEHAVIOURS
A.C.A. Cauvin, Alain Ferrarini, E.T.E. Tranvouez (France)

A SIMPLE TOOL FOR THE DESIGN OF STRATEGIC MAPS
Luis Quezada, Pedro Palominos, Felisa Córdova (Chile)

MEDICAL DIAGNOSIS AS A METAPHOR FOR ORGANIZATIONAL DIAGNOSIS
Nicolás Varela, Mario Tarride, Ariel Zamorano (Chile)

SIMULATION OF THE PERFORMANCE OF AN ENDOSCOPIC SURGERY UNIT
Darwin Yáñez, Mario Tarride, Sergio Rubel, Enrique Durán (Chile)

Session Mo3.5: Human Factors [16:00 IBC 6-1]

IMPROVING ORGANIZATIONAL CULTURE USING CORE VALUES
G.D. Taylor, E. M. Van Aken, T. Smith-Jackson (USA)

APPLICATION OF CUSP SURFACE ANALYSIS TO PSYCHOLOGICAL AND PHYSICAL DATA
Yasufumi Kume, Hyun Seok Jung, Manabu Ikehara (Japan)

VIRTUAL SWITCH BY AUGMENTED REALITY AND RFID TECHNOLOGIES
Nanae Shintani, Hiroyasu Nagaoka, C. Otani, Yasushi Oda, Osamu Yoshie (Japan)

MEASURING THE IMPACT OF OUTDOOR TRAINING ON PRODUCTIVITY: EVIDENCE FROM A MULTINATIONAL MANUFACTURING ORGANISATION
Philip J. Jones, Cliff Oswick, Graeme Lockwood (United Kingdom)

VIRTUAL SWITCH - HUMAN INTERFACE FOR FACILITY MAINTENANCE USING AUGMENTED REALITY AND RFID TECHNOLOGIES
THE ROLE OF A UNIVERSITY IN THE CONTINUOUS COMPETENCE DEVELOPMENT OF MASTER’S LEVEL ENGINEERING
Lea Hirvonen, Erkki Veijalainen, Veikko Orpana (Finland)

Session Mo3.6: Business Intelligence [16:00 IBC 6-2]

BUSINESS INTELLIGENCE, ACTIVITY BASED COSTING, PROCESS MANAGEMENT AS PROMISING TOOLS FOR PROFITABLE BUSINESS
Joanna Oleskow, Marek Fertsch, Paulina Golinska (Poland)

SAMPLING PLANS FOR ACCEPTANCE IN A SUPPLY CHAIN MODEL BASED ON THE BAYESIAN THEORY FOLLOWING ECONOMIC CRITERIA
Rodrigo Barbosa C., Carlos Paternina A., Diana Ramírez Rios, Jorge Rubio E., Marcela García Arce (Colombia)

AN APPLICATION OF INFORMATION QUALITY IN FASHION RETAIL BUSINESS: A CASE STUDY IN A LOGISTICS DISTRIBUTION FIRM
Athakorn Kengpol, Markku Tuominen (Finland)

AN INTELLIGENT REASONING MODEL FOR YARN MANUFACTURE
Jian-Guo Yang, Zhi-Jun Lv, Qian Xiang (China)

THE ROLES OF DATA ADMINISTRATOR FOR FUSING OF BUSINESS AND INFORMATION TECHNOLOGIES
Hiroshi Hasegawa, M. Nishio (Japan)

BULLWHIP EFFECT REDUCTION: THE IMPACT OF SUPPLY CHAIN FLEXIBILITY
D. Aprile, A.C. Garavelli (Italy)

Session Tu1.1: Processes Modeling [10:30 IBC 4-3]

PROPOSAL OF A MODELING OF REFERENCE FOR REPRESENTING COMPLEX SYSTEMS
Maria Silene Alexandre Leite, Antonio Cezar Bornia (Brazil)

INTEGRATION OF ENGINEERING PROCESS MODELING BETWEEN ENGINEERING DESIGN BOM AND MANUFACTURING BOM BASED ON PRODUCT LIFECYCLE
MANAGEMENT
Kinya Tamaki, Ayano Suhara, Yutaka Kenmochi, Junpei Suzuki (Japan)

INITIALIZATION OF A "DESIGN FOR RELIABILITY" METHOD FOR COMPLEX SYSTEMS
Guillaume Poncelin, Mathieu Glade, Aline Cauvin, Denis Dufrene, Patrick Lyonnet, Jean Pierre Derain (France)

AN INTANGIBLE BENEFITS APPROACH TO AMT JUSTIFICATION: FRAMEWORK AND PROCESS
Lilian Adriana Borges, Kim H. Tan, (United Kingdom)

BRAZILIAN SEMICONDUCTOR INDUSTRY: TECHNOLOGICAL CHANGE AND COMPETITIVENESS
Joao Amato Neto, Cristiano B.V. Fontes (Brazil)

ANALYSES OF POTENTIAL IN ADDING SERVICES IN LOW DIFFERENTIATION PRODUCTS
Eduardo Freme Ferreira, P.C. Kaminski (Brazil)

Session Tu1.2: Production Management [10:30 IBC 4-4]

A COLORED PETRI NET BASED MODELING AND SIMULATION OF MULTI-PRODUCT MANUFACTURING SYSTEMS
Hilano José Rocha de Carvalho, Arthur José Vieira Porto (Brazil)

WASTE DETECTION AND OPTIMISATION BY APPLYING BAYESIAN CAUSAL MAP TECHNIQUE ON VALUE STREAM MAPS
Gülgün Kayakutlu, Sule Itur Satoglu, Bülent Durmusoglu (Turkey)

THE IMPLEMENTATION OF VIRTUAL FACTORY WITH ADVANCED LOW COST IMAGE-BASED RENDERING
Hiroki Takahashi, Naoyuki Tamura, Toshihiko Furue, Osamu Yoshie, (Japan)

MANAGING COMPLEXITY IN AUTOMOTIVE PRODUCTION
H. Schleich, Jens Schaffer, L. F. Scavarda (Germany)

GROUP VERSUS INDIVIDUAL SUGGESTIONS SYSTEMS: A LONGITUDINAL CASE STUDY
Juan A. Marín-García, Cristóbal Miralles (España)
Session Tu1.3: Systems Modeling [10:30 IBC 4-5]

LIMITATIONS AND PERFORMANCE OF MRPII/ERP SYSTEMS – SIGNIFICANT CONTRIBUTION OF AI TECHNIQUES
Joanna Oleskow, Pawel Pawlewski, Marek Fertsch (Poland)

RESEARCH OF OPTIMIZATION ALGORITHM ABOUT MULTI-OBJECTIVE MRP AND CRP
Qin Liao, Wangyu Chen (China)

MATHEMATICAL PROGRAMMING APPROACH FOR PRODUCT MIX OPTIMIZATION PROBLEMS
Hisashi Tamaki, Takaaki Imoto, Toyohiro Umeda (Japan)

SCHEDULING OF TRANSHIPMENT OPERATIONS IN A SINGLE STRIP AND STACK DOORS CROSSDOCK
Rim Larbi, G. Alpan, P. Baptiste, B. Penz (France)

CELLULAR UNITS FOR STOCK MANAGEMENT APPLIED TO A SMALL SUPERMARKET
Elio Pimenta, W.T. Viesi, Paulo José Adissi (Brazil)

OPTIMAL ORDER RELEASE FOR MULTILEVEL ASSEMBLY SYSTEMS UNDER RANDOM LEAD TIMES AND CONSTANT DEMAND
Faicel Hnaien, Alexander Dolgui, M.-A. Ould Louly, H. Marian (France)

Session Tu1.4: Collaborative Systems [10:30 IBC 5-1]

FROM MASS PRODUCTION TO CONCEPT DEVELOPMENT: HOW TO CHANGE EARNINGS LOGICS?
Harri I. Kulmala, K. Valkokari, I. Ruohomäki, J-P. Anttila (Finland)

SUCCESS FACTORS FOR CO-OPERATIONS AND PRODUCTION NETWORKS
Ralph Riedel, Egon Mueller (Germany)

OPTIMAL APPROACH FOR AN EFFECTIVE CUSTOMER ORDER SYNCHRONIZATION USING CSCW PRINCIPLES
Enrique Valerio, Shigeru Fujimura (Japan)
BENCHMARKING IN CLUSTERS OF SMES: DEVELOPMENT AND APPLICATION OF A DATA BASE
Luiz Ribeiro Carpinetti, O. T. Oiko (Brazil)

METHODS AND MODELS FOR THE SIMULATION OF A VIRTUAL NETWORK
F. Cardaropoli, F. Caiazzo, V. Sergi (Italy)

COLLABORATIVE NETWORK FOR MOULD DESIGN
Michele Germani, M. Mengoni (Italy)

Session Tu1.5: Production Systems Organization [10:30 IBC 6-1]

APPLYING THE GLOBAL VALUE CHAIN APPROACH FOR THE UNDERSTANDING OF BUYER-SUPPLIER RELATIONSHIPS
Fábio Ferraz de Arruda, Afonso Corrêa Fleury (Brazil)

A NEW FUZZY HYBRID NEGOTIATION MECHANISM FOR DYNAMIC SUPPLY CHAIN MANAGEMENT
Vipul Jain, Lyes Benyoucef (France)

SUNK COSTS / CRASH COSTS / TIME TRADE-OFFS: CONTRIBUTIONS FOR THE PROJECT MANAGEMENT
M.B.F. Lima, A. Subramanian, G.R.S. Gomes, L.B. Silva (Brazil)

THE RELATION BETWEEN THE DEMANDS AND THE RESOURCES IN A CONTEMPORARY COMPANY
Agnieszka Stachowiak, Katarzyna Grzybowska, Marek Fertsch (Poland)

MODELING AND PERFORMANCE EVALUATION THE ENTERPRISE PROCESS BEHAVIOR BY BAYESIAN NETWORK
M’hamed Haned, Sid-Ali Addouche, Abderrahman EL Mhamedi (France)

CALCULATOR OF CHANGES EFFECTIVENESS
Katarzyna Grzybowska, Agnieszka Stachowiak (Poland)

Session Tu1.6: Performance Measurement and Improvement [10:30 IBC 6-2]

APPLYING TOC REPLENISHMENT METHOD TO IMPROVE PRODUCTION PERFORMANCE OF TFT-LCD INDUSTRY
Sheng-Hung Chang, C. Chuang, R.-K. Li (Taiwan)

THE PERFORMANCE OF REPLENISHMENT SYSTEMS UNDER OPTIMAL SETTINGS
Silvanus T. Enns (Canada)

HOW RISK CONSIDERATIONS CAN AFFECT INTER-ORGANIZATION RELATIONSHIP DECISIONS
Giovanna Lo Nigro, L. Abbate, M. Brucoleri, G. Perrone (Italy)

INVENTORY SERVICE LEVEL OPTIMIZATION IN A DISTRIBUTION NETWORK DESIGN PROBLEM
Pablo A. Miranda, Rodrigo A. Garrido (Chile)

UNCOVER THE LINK BETWEEN REGULATION AND PERFORMANCE MEASUREMENT
Rosalind Rae, Kim Hua Tan (United Kingdom)

ACADEMIC HOSPITALS AND STOCK ADMINISTRATION: DETERMINANT FACTORS FOR IMPROVING HOSPITALS ADMINISTRATION
Altair de Almeida Campos, Rawlla Eriam Oliveira Costa, Luiz Bueno da Silva (Brazil)

Session Tu2.1: Applications of Mobile Technologies [14:00 IBC 4-3]

A NEW BI-ALLOCATION SCHEME FOR UPLINK OFDMA WIRELESS SYSTEM USING COMPOUND SYMBOLS FOR THE DETECTION PROBLEM
Pablo Adasme, Ismael Soto, Rolando Carrasco (Chile)

LINEAR MODEL OF TECHNOLOGICAL COMPETITION IN THE PRESENCE OF NETWORK EFFECTS
Joel Serey, Gustavo Rodríguez, Guillermo Sánchez, Ismael Soto (Chile)

IMPROVEMENT IN THE CUSTOMER SERVICE IN A BANKING COMPANY USING L.P. AND MIMO 4G CHANNEL FOR TRANSACTIONS
Nelson Contreras, Ismael Soto, Rolando Carrasco (Chile)

A NEW DIFFIE-HELLMAN ALGORITHM BASED ON BIDIRECTIONAL CHAOTIC SYSTEMS
Rodrigo Abarzúa, Miguel Alfaro, Ismael Soto, Rolando Carrasco (Chile)
Session Tu2.2: Decision Making Models in Production Systems [14:00 IBC 4-4]

AN ANALYTICAL APPROACH TO STRATEGIC TECHNOLOGY SELECTION
Sami Farooq, Christopher O’Brien (United Kingdom)

CONSTRUCTION OF MATHEMATICAL MODELS FOR DECISION MAKING IN THE PORT SECTOR OF ALAGOAS
Solange Fontes Rego, Felipe de Melo Duarte, Luiz Bueno da Silva (Brazil)

DEVELOPMENT OF A MODEL OF OPERATIONAL PERFORMANCE INDICATORS
Joao A. Camarotto, M.T.R. Lopes, A.G. Alves Filho (Brazil)

PEER REVIEW SYSTEM: SELF-ORGANIZED OR DIRECTED?
Geralda Paulista, R. Sartori, M. F. de Sá, V. M. Kern, J. B. M. Alves (Brazil)

Session Tu2.3: Planning and Control of Manufacturing Operations [14:00 IBC 4-5]

AGENT-ORIENTED HYBRID SCHEDULING SYSTEM OF MACHINES AND LOTS
Kiyohisa Fujinaga (Japan)

THE PROPOSAL OF PRODUCTION PLANNING AND CONTROL SYSTEM APPLICABLE BY SUPPLY CHAIN INTEGRATION THROUGH AGENT-BASED SOLUTIONS
Paulina Golinska, N. Brehm, Marek Fertsch, J. Marx Gómez, Joanna Oleskow, Pawel Pawlewski (Poland)

REWORK DECISIONS FOR TFT-LCD MANUFACTURING PROCESSES
Muh-Cherng Wu, W.H. Lu (Taiwan)

DESIGN OF DISTRIBUTED LAYOUTS WITH OPERATIONAL EFFICIENCY CONSIDERATIONS
Anselmo Pitombeira Neto, S.Y. Chin, E.V. Gonçalves Filho (Brazil)

Session Tu2.4: Cooperative Planning [14:00 IBC 5-1]

DESIGN OF A COLLABORATIVE ORGANIZATIONAL MODEL
Jaime Soto M. (Chile)
DISTRIBUTION OF EXPORT FRUIT FROM MULTIPLE SOURCES TO MULTIPLE DESTINATIONS
Cecilia Montt Veas, Gavino Astudillo Alegria (Chile)

STRUCTURING PLANS FOR OPERATIONS STRATEGY ACTION
Edson Pinheiro de Lima, S. Gouvea da Costa, A. Reis de Faria, (Brazil)

MULTIPLE RETAILER COOPERATION FOR JOINT TRANSPORTATION AND INVENTORY
A. El Omri, Asma Ghaffari, Z. Jemai, (France)

Session Tu2.5: Mathematical Models for Planning and Scheduling [14:00 IBC 6-1]

DECOMPOSITION SOLUTION ALGORITHMS FOR THE MULTI-FLOOR FACILITY LAYOUT PROBLEM WITH ELEVATORS
Takashi Irohara (Japan), Marc Goetschalckx (Japan)

CYCLIC SCHEDULING MIP IMPLEMENTATION: CUTTING TECHNIQUES
Mohamed Ben Amar, Thomas Bourdeaudhuy, O. Korbaa (France)

SENSITIVITY ANALYSIS OF HYBRID PRODUCTION SYSTEMS WITH TWO PART TYPES HAVING OPERATIONAL AND QUALITY FAILURES
Nüfer Yasin Ates, Aybek Korugan, (France)

ROBUST ALGORITHM FOR THE ROUTING-SCHEDULING PROBLEM WITH UNCERTAIN EXECUTION TIMES
Jerzy Józefczyk (Poland)

Session Tu2.6: Supply Chain Analysis [14:00 IBC 6-2]

APPLICATION OF THE MEDICAL DIAGNOSIS METAPHOR TO A SMALL COMPANY
Nicolas Varela, Ariel Zamorano, Mario Tarride (Chile)

INVENTORY RESONANCES IN MULTI-ECHelon SUPPLY CHAINS
J.P.E. Hodgson, R. D. H. Warburton (USA)

OUTSOURCING DECISION MAKING ASPECTS CONSIDERED BY BRAZILIAN COMPANIES‘ IT DEPARTMENTS
A.M. Dias Ferreira, Fernando Barbin Laurindo (Brazil)
EXPLORING THE CONGRUENCE OF FUNCTIONAL STRATEGIES AND CUSTOMER INTEGRATION STRATEGY
Xiang Zhang, Rongqiu Chen (China)

Session Tu3.1: New Manufacturing Processes [16:00 IBC 4-3]

MOTOR-DRIVEN OVERHEAD CONVEYOR SYSTEM APPLIED TO AUTOMOBILE TEST
Li Ming, Wang Rushan, Xie Yunlong (China)

COMPUTER AIDED GEOMETRIC MODELING AND 5-AXIS MILLING OF A SCREW PROPELLER IN A SINGLE SETUP: A CASE STUDY
A.C. Munar, Erik L.J. Bohez, Maharaj Singh, T. Lin, S.S. Makhanov (Thailand)

5-AXIS COMPUTER AIDED MANUFACTURING OF STAMPING DIE INSERT: A CASE STUDY
Maharaj Singh, Erik L. J. Bohez, A.C. Munar, T. Lin, S.S. Makhanov (Thailand)

SMALL PARTICLES’S MANIPULATION BY USING ELECTRIC FIELD
Zhihua Feng (China)

MANUFACTURING FEATURES IN CUTTING SHAPES AND PUNCHING HOLES IN SHEET METAL
Mika Lohtander, Juha Varis (Finland)

A NEW 5-AXIS HAPTIC JEWELRY DESIGN AND MANUFACTURING SYSTEM CONCEPT
Sinee Sukkromsai, Somlak Wannarumon, E. L. J. Bohez (Thailand)

Session Tu3.2:

AN APPROACH FOR ENHANCING PROCESS AND PROCESS INTERACTION CAPABILITY
Ch. Chinvigai, E. Dafaoui, A. El Mhamedi (France)

THE EFFECTS OF SCHEDULE VOLATILITY ON SUPPLY CHAIN PERFORMANCE
Paul Childerhouse, Stephen M. Disney, D.R. Towill (New Zeland)

SIMILARITY COEFFICIENTS AND CLUSTERING TECHNIQUES FOR THE CORRELATED ASSIGNMENT PROBLEM IN WAREHOUSING SYSTEMS
Filippo Bindi, Ricardo Manzini, A. Pareschi, Alberto Regattieri (Italy)
DEVELOPMENT OF AN ALGORITHM TO X-BAR AND CV-CHARTS: AN APPLICATION IN THE TEXTILE INDUSTRY
Maria Emília Camargo, W. Priesnitz Filho, S. Russo, A.I. Santos (Brazil)

BUILD YOUR CONTROL PLAN IN A DESIGN TO RISK OBJECTIVE – A NEW WAY TO USE PROCESS FMEA
Vincent Ozouf, Maurice Pillet (France)

GENETIC ALGORITHMS FOR DESIGNING BANK OFFICES LAYOUTS
Gina Rojas Bernal, José Fidel Torres (Colombia)

Session Tu3.3: Manufacturing Planning [16:00 IBC 4-5]

ARTIFICIAL INTELLIGENCE PLANNING FOR GENERATIVE COMPUTER AIDED PROCESS PLANNING
Martin G. Marchetta, R.Q. Forradellas (Argentina)

DYNAMIC AND MULTI-CRITERIA SCHEDULING OF MAINTENANCE ACTIVITIES
F. Marmier, C. Varnier, Nouredinne Zerhouni (France)

TWO-PHASE DYNAMIC FACILITY LAYOUT METHOD USING EVOLUTION STRATEGIES
Naoki Hirabayashi, Hiroyuki Nagasawa (Japan)

A PROCUREMENT PLANNING IMPROVEMENT BY USING LINEAR PROGRAMMING AND FORECASTING MODELS
Athakorn Kengpol, Peerapol Kaoien (Thailand)

A HIGH PERFORMANCE MRP PART EXPLOSION PROCESS USING COMPUTATIONAL GRID IN A DISTRIBUTED DATABASE ENVIRONMENT
Hyoung-Gon Lee, Namkyu Park, Y.S. Hong, Chi-Hyuck Jun, Jinwoo Park (Korea)

EXPLORING TALENT FLOW IN WUHAN AUTOMOTIVE INDUSTRY CLUSTER
Guanfeng Mao, Bei Hu (China)

Session Tu3.4: Design and Analysis of Logistics Services [16:00 IBC 5-1]

A FRAMEWORK TO ANALYZE THE ORGANIZATION OF THE LOGISTICS SERVICES
Nicola Bellantouno, I. Giannoccaro, Pierpaolo Pontrandolfo (Italy)
ACTIVITY AND PRODUCT BASED ANALYSIS FOR ALTERNATIVE STRATEGIC SOURCING DECISIONS
Aznizah Zainal Abidin, Christopher O’Brien (United Kingdom)

THE DESIGN AND MANAGEMENT OF LOGISTICS SERVICES MARKETS
Vito Albino, R.M. Dangelico, Antonio Messeni Petruzelli (Italy)

OVERALL MID-TERM REVIEW OF THE INNOVATIVE MANUFACTURING RESEARCH CENTRES
Rob Dekkers, K.I. Wood (United Kingdom)

PRODUCT INTERACTIONS MODELLING WITHIN THE SUPPLY CHAIN BASED ON COMMUNICATING OBJECT’S APPROACH
Aldo Cea Ramirez, Eddy Bajic (Chile)

DESIGNING DISTRIBUTION NETWORKS TAKING INTO ACCOUNT ASPECTS OF POSTPONEMENT
F. Schwartz, Stefan Voß (Germany)

Session Tu3.5: Production Scheduling [16:00 IBC 6-1]

CROSS-DOCKING: SCHEDULING OF INCOMING AND OUTGOING SEMI TRAILERS
Pierre Baptiste, M.Y. Maknoon (Canada)

AN HEURISTIC PLANNING ALGORITHM FOR THE DISCRETE MANUFACTURING INDUSTRY WITH REVERSE BOM AND ALTERNATIVE STRUCTURES
Manuel Cardós, Cristóbal Miralles (España)

SCHEDULING APPLICATION USING PETRI NETS: A CASE STUDY: INTERGRÁFICAS S.A.
Gonzalo Mejía, Sebastián Poensgen (Colombia)

ERP ASSIMILATION LEVERS: THE CASE OF A MANUFACTURING FOOD COMPANY
R. Kouki, Diane Poulin, R. Pellerin (Canada)

USING REAL-TIME INFORMATION IN PRODUCTION PLANNING AND OPERATIONAL CONTROL
Ronald G. Askin, Detlef Pabst, Michael Pew, Young Jun Son (USA)
RESOURCE ASSIGNMENT AND SCHEDULING USING PETRI NETS AND HEURISTIC SEARCH
Gonzalo Mejía, Carlos Montoya (Colombia)

Session Tu3.6: Production Scheduling [16:00 IBC 6-2]

A LONGITUDINAL CASE-BASED ASSESSMENT OF SUPPLY CHAIN TIME AND COST
Linda Whicker, Christopher O’Brien (United Kingdom)

PRODUCTION PLANNING WITH DETERIORATION CONSTRAINTS: A SURVEY
J. Pahl, Stefan Voß, D. L. Woodruff (Germany)

SCHEDULING A THERMAL-PRINTED LABEL MANUFACTURING PLANT USING AN EVOLUTIONARY ALGORITHM
F. Vargas-Nieto, J.R. Montoya-Torres, (Colombia)

WEB ORIENTED SEQUENCE OPERATIONS
Predrag Cosic, D. Antolic, I. Milic (Croatia)

CONSTRUCTION OF DEVELOPMENT SUPPORT SYSTEM BASED ON AUTOMATION OF DESIGN PROCESS IN THE INFORMATION SYSTEM DEVELOPMENT

ASSESSMENT OF RESOURCE RELOCATION WITH CP AND CPK INDEXES: A SIX SIGMA CONTRIBUTION FOR SOFTWARE DEVELOPMENT PROCESS
Antonio Carlos Tonini, M.S.P. Pessôa, M.M. Spínola (Brazil)

Session We1.1: New Technologies in Manufacturing [10:30 IBC 4-3]

IMPROVING AUTO-ID VALUE GENERATION WITH INFORMED PROCESS BASED ON PETRI NETS
J.J.P.Z.S. Tavares, J.R.Silva (Brazil)

POLYMER PARTS PRODUCTION SIMULATION FOR DOMESTIC REFRIGERATORS
N.O. Moraga, C.A. Salazar, R.A. Molina (Chile)

THE DEVELOPMENT OF THE TWO LEGGED ROBOT CENTAUROB
Josef Schlattmann, M. Tesfay Tesfu, L. Ziemen (Germany)

APPLICATIONS OF RFID TECHNOLOGY TO IMPROVE PRODUCTION EFFICIENCY
FOR INTEGRATED-CIRCUIT ASSEMBLY HOUSES
Chiun-Ming Liu, L.S. Sally Chen (Taiwan)

BIBLIOMETRIC AND PATENT ANALYSIS OF NANOTECHNOLOGY A CASE STUDY FROM THE UNITED KINGDOM
Qazi Moinuddin Abro, Christopher O’Brien, Pir Roshan Shah Rashdi (United Kingdom)

STUDY OF INNOVATIVE APPLICATIONS OF RFID TECHNOLOGY: METHODOLOGICAL FRAMEWORK
Daria Battini, M. Faccio, A. Persona, F. Sgarbossa (Italy)

Session We1.2: Production Management [10:30 IBC 4-4]

ITERATIVE METHODOLOGY TO IMPROVE THE RESOURCES UTILIZATION RATE OF A PRODUCTION SYSTEM
Shih Yung Chin, E. V. Gonçalves Filho, A. R. Pitombeira Neto (Brazil)

THE BENEFIT OF ALTRUISTIC BEHAVIOUR ACHIEVED BY THE OUT POLICY WITH UNMATCHED PROPORTIONAL FEEDBACK GAINS IN A TWO ECHELON SUPPLY CHAIN
Stephen M. Disney, Takamichi Hosoda (United Kingdom)

PRODUCTION-IN-THE-LOOP
Dieter Spath, Joachim Lentes (Germany)

INCENTIVES IN DUOPOLY WITH PRODUCT DIFFERENTIATION
Shinji Kobayashi, Masaaki Ohba, Shigemi Ohba (Japan)

FORECASTING FOR PRODUCTS WITH SHORT LIFE CYCLE BASED ON IMPROVED BASS MODEL
Xu Xianhao, Song Qizhi (China)

A REVENUE MANAGEMENT MODEL FOR BTO MANUFACTURING
Li Li, Rongqiu Chen, Xiangzi Bu (China)

Session We1.3: Manufacturing Systems Optimization [10:30 IBC 4-5]

DESIGN AND DEVELOPMENT OF A QUOTING SYTEM FOR A FASTENER MANUFACTURER
E. Shayan, V. Chitroda (Australia)
A SELF-ORGANIZED SYSTEM FOR PRODUCTION PROBLEMS SOLVING: COMPLEXITY APPROACH
Ricardo Borgatti Neto, Afonso Corrêa Fleury (Brazil)

MANAGERIAL DECISION SUPPORT SYSTEM FOR AGGREGATE PRODUCTION PLAN GENERATION
Oscar Silva Filho, W. Cezarino (Brazil)

SHOP FLOOR MONITORING SYSTEM FOR ACTIVITY BASED RESOURCE MANAGEMENT
Hiroki Okubo, Kagehisa Nakayama, Jiahua Weng, Hisashi Onari (Japan)

A SPECTRUM MODEL OF ORDER FULFILLMENT STRATEGIES TOWARDS BTO PARADIGM
Yubo Ma, Rongqiu Chen (China)

A MULTISTAGE OPTIMIZATION APPROACH FOR A SEMICONDUCTOR FACILITY
Gerald Weigert, A. Klemmt, S. Horn (Germany)

Session We1.4: Efficiency-Based Modeling [10:30 IBC 5-1]

METHOD OF BUFFERING CRITICAL RESOURCES IN MAKE-TO-ORDER SHOP FLOOR CONTROL IN MANUFACTURING COMPLEX PRODUCTS
Lukasz Hadas, Piotr Cyplik, Marek Fertsch (Poland)

A THREE R APPROACH FOR SUPPLY CHAIN BUSINESS INTELLIGENCE
Paul D. Denton, Kim. H. Tan (United Kingdom)

AN ADAPTIVE PARTICLE SWARM APPROACH APPLIED TO OPTIMIZATION OF A SIMPLIFIED SUPPLY CHAIN
Luiz Wanzeler da Silva, Leandro dos Santos Coelho (Brazil)

A GENETIC ALGORITHM FOR THE RESOURCE CONSTRAINED PROJECT SCHEDULING PROBLEM (RCPSP)
Edgar Gutiérrez F., Fernando La Torre Zurita, Gonzalo Mejía Delgadillo (Colombia)

A MODEL FOR DEFINING SOFTWARE FACTORY PROCESSES
Luzia Nomura, M.M. Spínola, A.C. Tonini, O.K. Hikage (Brazil)

A PRODUCT-TO-PLANT ALLOCATION PROBLEM IN LOGISTICS NETWORK
Session We1.5: Supply Chain Management [10:30 IBC 6-1]

SUPPLY STRATEGY IN FOOD INDUSTRY – VALUE NET PERSPECTIVE
Anni-Kaisa Ahtonen, Veli-Matti Virolainen (Finland)

HEURISTIC-BASED MODEL FOR CONTAINER STACKING PROBLEM
Meriam Kefi, O. Korbaa, K. Ghedira, P. Yim (Tunisia)

TABU SEARCH ALGORITHM FOR MULTI-MODE RESOURCE CONSTRAINED
PROJECT SCHEDULING PROBLEM WITH RESOURCE FLEXIBILITY
Youness Kadrou, N.M. Najid (France)

INVENTORY MODEL FOR AN INVENTORY SYSTEM WITH TIME-VARYING
DEMAND RATE
Michinori Sakaguchi (Japan)

LOGISTICS OPTIMIZATION: VEHICLE ROUTING WITH LOADING CONSTRAINTS
D. Aprile, J. Egeblad, A. Claudio Garavelli, S. Lisi, D. Pisinger (Italy)

EXPECTATION MANAGEMENT BY MEANS OF SERVICE LEVEL AGREEMENTS IN
SOFTWARE MAINTENANCE
Antonio Carlos Tonini, M.T. Silva, M.M. Spínola (Brazil)

Session We1.6: Global Manufacturing [10:30 IBC 6-2]

ANALYSIS OF COLLABORATIVE NETWORKS USING MULTIVARIATE
STATISTICS
Dario Antonelli, T. Taurino (Italy)

KNOWLEDGE AND INFORMATION FLOWS IN SUPPLY CHAINS: A CASE STUDY
ON PHARMACEUTICAL COMPANIES
Marcelo Caldeira Pedroso, Davi Nakano (Brazil)

ANALYSIS OF COLLABORATIVE RELATIONSHIPS: BEHAVIORAL VARIABLES
MAP
Gessuir Pigatto, Rosane Chicarelli Alcântara (Brazil)
CONFIGURING AND OPERATING GLOBAL PRODUCTION NETWORKS
Egon Mueller, Maik Jaehne, Ralph Riedel (Germany)

DISTRIBUTED MANUFACTURING AS CO-EVOLUTIONARY SYSTEM
Rob Dekkers (United Kingdom)

THE RELEVANT FEATURES OF SUPPLY CHAIN DESIGN IN THE DELOCALIZATION CONTEXT
Hammami Ramzi, Yannick Frein, Atidel Hadj-Alouane (France)

Session We2.1: Design of production systems [14:00 IBC 4-3]

ONTOLOGIES IN A DFM FRAMEWORK
André Tietböhl Ramos, Michael P. Deisenroth (Brazil)

DESIGN FOR PROCESS CAPABILITY AND CAPACITY AT THE PRODUCT CONCEPTION STAGE
Algirdas Bargelis (Lithuania)

Session We2.2: Manufacturing Systems Management [14:00 IBC 4-4]

FORMULATION OF SIMULATION MODELS FOR FLEXIBLE MANUFACTURING SYSTEMS
Oscar Quiroga, L.M. Ciorciari, G.H. Rossetti (Argentina)

AN APPROACH FOR A MANUFACTURING SYSTEM BASED ON SUPERVISORY CONTROL AND COLORED PETRI NETS
Jairo Rafael Cantillo, Marco A Busetti, Eduardo A. Portela Santos, Eduardo Loures (Brazil)

Session We2.3: Production Systems Management [14:00 IBC 4-5]

EVALUATION OF PULL STRATEGIES IN LUMBER PRODUCTION PLANNING: A CASE STUDY
Fabian Cid Yañez, J-M. Frayret, A. Rousseau, F. Léger (Chile)

INNOVATION AND THE MICROELECTRONIC PARADIGM: THE BRAZILIAN DIGITAL TV SYSTEM
Joao Amato Neto, Bruno Pontes Costanzo (Brazil)
Session We2.4: Enterprise Modeling [14:00 IBC 5-1]

EVALUATING INTANGIBLE MANAGEMENT: A COST-BASED APPROACH
Masako Takahashi (Japan)

BAYES IDENTIFICATION OF PARAMETERS’ VECTOR WITH QUADRATIC ASYMMETRICAL LOSS FUNCTION
Piotr Kulczycki, Aleksander Mazgaj (Poland)

Session We2.5: e-Work Networks [14:00 IBC 6-1]

A BEST-MATCHING PROTOCOL FOR SUPPLIER SELECTION IN E-WORK NETWORKS
Juan D. Velásquez, Shimon Y. Nof (USA)

ERP APPLICATION IN CHINA: AN OVERVIEW
Steffan Voss, Liping Ge (Germany)

Session We2.6: Planning Systems [14:00 IBC 6-2]

MODELING SUSTAINABLE PRODUCT LIFECYCLE DECISION SUPPORT SYSTEMS
Guiping Hu, Bopaya Bidanda (USA)

PLANNING OF OPTIMAL MATERIAL STOCKS
Milan Ikoníc, Tonci Mikac, Aleksandar Vuković (Croatia)

Session Th1.1: Advanced Management Systems [9:00 IBC 4-3]

EVLOLVEMENT OF MANUFACTURING PARADIGM DRIVEN BY CUSTOMER PARTICIPATION: AN EMPIRICAL
Maozhu Jin, Rongqiu Chen (China)

SOME PRINCIPLES OF AN EXPERT OPTIMIZATION OF ASSEMBLY
Konrad Okulicz, J. Wróbel (Germany)

TOOL CONDITION MONITORING IN GUNDRILLING USING FEED FORCE AND TORQUE MEASUREMENTS
Inga Jaako, Juha Varis (Finland)
THREE SUCCESSIVE MODELS FOR SELECTION OF MATERIALS. CASE: WEAR RESISTANT STEELS  
Claes Löwgren, Veikko Orpana, Gunnar Löwgren (Finland)

STEP – MOTOR INDEXING CONTROL BY USING AUDIO CARD  
Zhihua Feng (China)

STAGE METHOD IN RELIABILITY SYSTEM ANALYSIS  
Juan E. Gutiérrez, Astrid M. Oddershede (Chile)

Session Th1.2: Production Planning Models [9:20 IBC 4-4]

A NEW GENETIC ALGORITHM FOR THE ECONOMIC LOT SCHEDULING PROBLEM  
José Fidel Torres, G.S. Rojas (Colombia)

MULTI-PERIOD LOCATION ALLOCATION PROBLEM WITH SAFETY STOCK OPTIMIZATION  
E. Gebennini, R. Gamberini, Riccardo Manzini, C. Mora (Italy)

A SPREADSHEET BASED SCHEDULING SYSTEM FOR A SMALL PRINTING COMPANY  
Jorge Mendoza, Gonzalo Mejía (Colombia)

PRODUCTION PLANNING BY PINCH ANALYSIS FOR BIOMASS USE IN DYNAMIC AND SEASONAL MARKETS  
Jutta Geldermann, J. Ludwig, M. Treitz, O. Rentz (Germany)

Session Th1.3: Sequencing & Inventory Control [9:00 IBC 4-5]

DETERMINATION OF THE PRODUCTION SEQUENCING IN AUTOMOTIVE  
Pawel Pawlewski, K. Mazurek, Marek Fertsch, Paulina Golińska, Joanna Oleskow (Poland)

SIMULATION FOR SCALLOP AQUACULTURE INVENTORY MANAGEMENT  
Ronald Pelot, W. Zwicker (Canada)

A NEW HYBRID RESCHEDULING POLICY BASED ON CUMULATIVE DELAY  
Haruhiko Suwa, Toshihisa Fujiwara (Japan)

A HYBRID PROCEDURE FOR OPTIMIZATION VIA SIMULATION: AN ANALYSIS
ON INVENTORY CONTROL PROBLEMS
Carlos Paternina Arboleda, J.R. Montoya-Torres, A. Fabregas-Ariza (Colombia)

A DECOMPOSITION APPROACH FOR JOB SHOP SCHEDULING PROBLEMS FOCUSED ON THE LONGEST ACTIVE CHAIN
Yajie Lou, Xuerui Zhang, Shigeru Fujimura (Japan)

INVENTORY MODELS COMPARISON IN VARIABLE DEMAND ENVIRONMENTS
Miguel C. Santoro, Gilberto Freire, Álvaro E. Hernandez (Brazil)

Session Th1.4: Enterprise Modeling [9:00 IBC 5-1]

MODELLING OF DECISION PROCESSES IN EXTENDED ENVIRONMENT USING GRAI
Aline Cauvin, R.D. Radhouane D. (France)

APPLICATION OF A LEONTIEF MODEL TO THE ICT INDUSTRY
Lei Yu, O. Tang, Robert Grubbström (Sweden)

MODELLING OF MEDIUM AND LARGE SIZE FIRMS DECISION PROCESSES USING THE CONCEPT OF GRAI MULTI-GRIDS
A.C. Aline Cauvin, T.L. Thierry Lattanzio (France)

Session Th1.5: Stochastic Models [9:00 IBC 6-1]

A MULTIPLE SINGLE-PASS HEURISTIC ALGORITHM FOR THE STOCHASTIC ASSEMBLY LINE RE-BALANCING PROBLEM
Rita Gamberini, A. Grassi, Alberto Regattieri (Italy)

AN APPROACH TO LINE BALANCING ON VIRTUAL SUPERVISOR INDUCTION METHOD AND INTELLIGENT AGENTS
Jesús Trujillo, Pawel Pawlewski, Z. Pasek, Paulina Golinska, E. Baeyens, Joanna Oleskow (Spain)

A SIMULATION-BASED LEARNING APPROACH TO IMPROVE RESPONSIVENESS OF INDUSTRIAL SCHEDULING
F. A. Arredondo, E. C. Martínez (Argentina)

THE OCCURRENCE OF HIDDEN COSTS IN SERVICE OPERATIONS: INSIGHTS OBSERVED IN A PUBLIC COMPANY CONTROLLED BY THE GOVERNMENT
Antonio Mello Villar, Cosmo Severiano Filho, Paulo Pereira da Silva, Paulo José Adissi
SETTING GATES IN THE STOCHASTIC PROJECT SCHEDULING PROBLEM USING CROSS ENTROPY
I. Bendavid, Boaz Golany (Israel)

Session Th1.6: Logistics [9:00 IBC 6-2]

AFTER-SALE REVERSE LOGISTICS: THE STATE OF THE ART
Antonio de Oliveira Siqueira, L.A. Freitas Segundo, M.H.V. Moita, W.V. Machado (Brazil)

PROPOSALS FOR ALTERNATIVE MANUFACTURING STRATEGIES FOR THE COMPANY OF A DEVELOPED COUNTRY
J.V. Hämäläinen, Tuomo Kässi (Finland)

CONVERGENCE BETWEEN REVERSE LOGISTICS AND HOSPITAL SOLID WASTE MANAGEMENT
Joao Campos de Souza, L.H. Xavier, J.P. Adissi, (Brazil)

UNDERSTANDING THE STRATEGIES OF LATE-MOVERS IN INTERNATIONAL MANUFACTURING
Afonso Côrrea Fleury, M. T. Fleury (Brazil)

SUPPLY CONTRACT WITH OPTIONS
Alejandra Gomez Padilla, T. Mishina (Mexico)