



## ICPR-AR 2012

### PROGRAM OVERVIEW

**Thursday, August 2<sup>nd</sup>**

8:30 – 9:00	Registration
9:00 - 9:30	Welcome
9:30 – 10:45	<b>Plenary Session: Adapting production paradigms to a changing World</b> <b>Professor Christopher O'Brien, University of Nottingham, UK</b>
10:45 – 11:00	Coffee Break

	Room A	Room B
11:00 – 12:30	Technical Session: <b>GENERAL MANAGEMENT</b>	Technical Session: <b>PROCESS IMPROVEMENT</b>
12:30 – 14:00	<i>Lunch</i>	
14:00 – 15:30	Technical Session: <b>OPTIMIZATION</b>	Technical Session: <b>MATHEMATICAL MODELS</b>
15:30 – 15:45	<i>Coffee Break</i>	
15:45 – 17:15	Technical Session: <b>SUSTAINABILITY AND GREEN PRODUCTION</b>	Technical Session: <b>TECHNOLOGIES IT</b>
20:30	<i>Banquet</i>	

## Friday, August 3<sup>rd</sup>

	Room A	Room B
9:00 – 10:30	<b>Plenary Sessions:</b> <b>Session 1: Prof. Edgardo Santibañez (Chile)</b> <b>Session 2: Prof. Jimena Pascual and Patricia Jiménez (Chile)</b> <b>Theme: Innovation in Production Research</b>	<b>Plenary Session:</b> <b>Prof. Sergio Gouvea da Costa (Brazil)</b> <b>Theme: Manufacturing Strategies</b>
10:30- 10:45	<i>Coffee Break</i>	
10:45 – 13:15	Technical Session: <b>INNOVATION</b>	Technical Session: <b>COLLABORATION</b>
13:15 - 14:45	<i>Lunch</i>	
14:45 – 15:30	Technical Session: <b>LOGISTICS</b>	Technical Session: <b>OPERATIONS MANAGEMENT</b>
15:30 – 16:00	Closing Ceremony	
16:00 – 18:00	IFPR- AR Board Meeting (IFPR-Members).	

**ICPR-AR 2012**

**TECHNICAL SESSIONS**

Thursday 2nd	Nº	ROOM A		Nº	ROOM B	
11:00 -12:30	GENERAL MANAGEMENT			PROCESS IMPROVEMENT		
	04	Arthur Maria do Valle and Eduardo Portela	Business appraisal, evaluation or assessment?	01	Marcos Sávio de Souza, Lincoln Cardoso Brandão, Alessandro Rascalha, Carlos Henrique Lara, Marianna Giarola de Souza	Reduction of setup time in the auto parts manufacturing industry using the smed methodology: a case study
	18	Elaine M. Cetnarski, Caroline B. Ohpis, Sergio E. Gouvea da Costa, Edson Pinheiro de Lima	The Contribution of Brazilian Researchers to Operations Management	02	Marcos Sávio Souza, Lincoln Cardoso Brandão, Alessandro Rascalha, Marianna Giarola Souza, Sérgio Luiz Moni Ribeiro Filho	Application of the smed methodology in the aluminum alloys production for rework cost reduction
	50	Kumiko Kissimoto, Claudia Aparecida de Mattos and Fernando José Barbin Laurindo	Fostering customer participation in personalization and co-creation initiatives - Brazilian experiences	29	Francielle Cristina Fenerich; Lucas Braga Coelho; Gislaiane Camila L. Leal	Identification and elimination of waste using a lean tool of lean production philosophy
	58	Pedro Brochiero and Luis Quezada	Style of decisions in dialog processes in projects with stakeholders, in companies with transparency in Corporate Responsibility.	38	Gislaiane Camila L. Leal, Camial Favoretto, Francielle C. Fenerich	A proposal for a production process improvement in an industry of plastic packing on a failure analysis perspective.
12:30-14:00	<b>LUNCH</b>					
14:00-15:30	OPTIMIZATION			MATHEMATICAL MODELS		
	09	Jimmy Carvajal, Ciro Alberto Amaya	A Meta-heuristic approach to solve the problem of a distribution center, N retail and M products under purchase budget restrictions (C-OWNR-Mi)	08	Carlos Eduardo Durange de Carvalho Infante, Fabricio Molica de Mendonça and Rogerio de Aragão Bastos do Valle	The analysis of oil & gas industry in the application of the Electre III method
	10	Helleno, A.L.; Moraes A.J.I.; Simon, A.T.; Ceglio, W.E.; Mourad R. B. A.	Optimization of the manufacturing processes using the integration concept between Lean and Digital Production	24	Odivany Pimentel Sales and Osiris Canciglieri Junior	Decision-making Hybrid Model for product development cycle reduction
	11	Rosa G. González-Ramírez and Neale R. Smith	A heuristic algorithm based on Dantzig-Wolfe Decomposition for the Lot Sizing Problem with Prices	54	Carolina Toro, Víctor Parada, Pedro Palominos	Resolution of the trip-packing problem in a evolutionary parallel machine based on genetic phenotype-genotype algorithms
37	M.M. Queiroz, A.B. Mendes, R. Telles, and S.M. Romboli	Optimization applied in supply chain management problems	62	M. A. Gonzalez, L. Quezada, A. Oddershede, P. Palominos	Application of AHP in the construction of a strategy map in a manufacturing firm.	
15:30-15:45	<b>COFFEE BREAK</b>					

Thursday 2nd	Nº	ROOM A		Nº	ROOM B	
15:45 -17:15	SUSTAINABILITY AND GREEN PRODUCTION			TECHNOLOGIES IT		
	06	Everton Drohomeretski, Tainan Rodrigues de Oliveira Neves, Sergio E. Gouvea da Costa, Edson Pinheiro de Lima	Green supply chain management in the Brazilian automotive industry: a case study	35	Gerson Kiste, Renato de Oliveira Moraes	Competencies in project teams of IT
	17	Ewald, M.R.; Moraes, D.G.S.V.M.	Management system of hazardous substances in electronics industry	39	Dewey Wollmann, Maria Teresinha Arns Steiner, R.R. G. Wollmann	Experiencing the strategic management of operations in a learning virtual environment: simulator tangram
	23	C.G. Machado, E. Pinheiro de Lima, S.E. Gouvea da Costa, J.M.A.P. Cestari, R. A. Kluska and L.N. Hundzinski	Indicators formulation process for operations sustainable management	26	Claudio Luis Cruz de Oliveira and Fernando José Barbin Laurindo	Creating strategic value through digital analytics
	55	Sandra Naomi Morioka, Jeniffer de Nadae and Marly Monteiro de Carvalho	A discussion on knowledge management applied to sustainable development: a case study in Brazilian companies	42	Arkopaul Sarkar, Dusan Sormaz and Jing Huang	Multi-agent framework for design and manufacturing integration
				43	Dusan Sormaz and Vidosav Majstorovic	Development and Implementation of a Knowledge Base for Digital Manufacturing
20:30 hrs.	<b>BANQUET</b>					

FRIDAY 3rd	Nº	ROOM A		Nº	ROOM B	
11:00 -12:30	INNOVATION			COLLABORATION		
	16	Eduardo Margara da Silva, Fernando José Barbin Laurindo, Mario Sergio Salerno	IT contribution forms to corporate innovation: A case study in a large Brazilian Bank	22	Claudia Aparecida de Mattos and Fernando José Barbin Laurindo	E-collaboration technologies in the supply chain and its impact on perception of performance: Quantitative study in Brazilian companies
	36	Rubén. F. Pérez Bolívar	Job prospects for engineers in a context of globalized economy	51	Fabício Molica de Mendonça, Lineker Miranda, Carlos Eduardo Durange de Carvalho Infante; Denise Carneiro dos Santos Bernardo	Collaborative arrangements in local production from the territorial analysis restrictions: a case study
	57	Edson Hilios, Ícaro Macedo Fontes, Roxana Maria Martinez Orrego, Raquel Cyrmot	A panorama of innovation in service providers operating in the Brazilian territory	20	Jeniffer de Nadae and Marly Monteiro de Carvalho	Knowledge Management Into Project Management Office: A Case Study
	59	Juan Sepúlveda Salas, Elizardo Vásquez Poblete	A multicriteria model for benchmarking processes of innovation in SMEs: case study	47	Pedro Palominos, María Fernanda Figueroa and Luis Quezada	A Methodology for Service Design
12:30-14:00	LUNCH					
14:00 – 15:30	LOGISTICS			OPERATIONS MANAGEMENT		
	13	Francielle Cristina Fenerich; Orlando Barcos Junior; Gislaine Camila L. Leal	Analysis of reverse logistics of a company of Auto parts in the Region of Maringá	14	Juan Caballero-Villalobos, Gonzalo Mejía-Delgadillo, Rafael García-Cáceres	Scheduling of molds for plastic injection using Genetic Algorithms and Petri Nets
	15	<i>Fabício Molica de Mendonça, Mateus Teixeira Corrêa, Carlos Eduardo Durange de Carvalho Infante, Tiago Ribeiro Ferreira</i>	<i>Recyclable materials as an alternative to reverse logistics plan of municipal solid waste management: a case study</i>	60	J. Sepúlveda, K. Adam, F. Mayer	Modeling of the emerging phenomenon in complex engineering
	53	Maria del Pilar Díaz Jaimes, Nestor Raúl Ortiz Pimiento	Selection of the structure of a maturity model for the management of the supply chain in small manufacturing companies, case Bucaramanga metalworking sector and its metropolitan area	63	<i>A.L. Arias, R.A. Gatica, R.G. González-Ramírez</i>	<i>Models for the problem of the size of the capacitated batch with multiple families</i>
	61	Javiera González Orell and Cecilia Montt Veas	Design of reverse logistics for a company producing wood moldings.	64	Sergio González, Alejandra Pérez-Bonilla, Angel A. Juan, Daniel Riera, Quim Castellà and Rodrigo Muñoz	Development and evaluation of SHARP and RandSHARP algorithms for the problem of routes by arcs with capacities.
15:30 – 16:00	CLOSING CEREMONY					