

INSID 2021

Wednesday

01 December 2021	ROOM 1	ROOM 2
08h45 - 09h00	ROOM 1 OPENNIG INSID	
09h00 - 10h20	Technical Session: Multicriteria Analysis and Group Decision	Technical Session: Decision models in the energy and gas context
10h20 - 10h40	Break	
10h40 - 12h00	Technical Session: Advances in MCDM/MCDA	Special Technical Session: Neuroscience and Decision
12h00 - 14h00	Lunch - interval	
14h00 - 15h40	ROOM 1 TUTORIAL - Visual Outdeck: um app para suporte visual a modelagem da decisão baseada em métodos de outranking Prof. HELDER GOMES - UFF	
15h40 - 16h00	Break	
16h00 - 17h40	Technical Session: Advances in MCDM/MCDA and GDN	Technical Session: Decision models for Health

Thursday

02 December 2021	ROOM 1	ROOM 2
08h30 - 10h00	ROOM 1 TUTORIAL - Visual Outdeck: um app para suporte visual a modelagem da decisão baseada em métodos de outranking Prof. HELDER GOMES - UFF	
10h00 - 10h20	Break	
10h20 - 12h00	Technical Session: Decision models in the environmental context	Technical Session: Decision models - strategy and business
12h00 - 14h00	Lunch - interval	
14h00 - 15h20	Technical Session: Decision models in Service Systems Part I	Special Technical Session: INCT-INSID Course Part I
15h20 - 15h40	Break	
15h40 - 17h00	Technical Session: Decision models in Service Systems Part II	Special Technical Session: INCT-INSID Course Part II
17h00 - 18h00	PAINEL - AÇÕES INCT-INSID	

Friday

03 December 2021	ROOM 1	ROOM 2
08h30 - 10h00	ROOM 1 TUTORIAL - Método FITradeoff: processo decisório e suas NOVAS características Profa. EDUARDA FREJ, UFPE	
10h00 - 10h20	Break	
10h20 - 12h40	Sessão Técnica: Modelos de Apoio a Decisão	Sessão Técnica: Modelos de decisão em contextos diversos
12h40 - 13h00	CLOSING SESSION	

All listed times are in Greenwich Mean Time (GMT-3) = Brasília Time (BRT)

08:45-09:00						Opening Session INSID 2021					
						Room1:					
09:00-10:20			Technical Session: Multicriteria Analysis and Group Decision Chair: Pascale Zarate, Universite Toulouse 1 Capitole, France Co-Chair: Danielle Morais, UFPE, Brazil Room1:			Technical Session: Decision models in the energy and gas context Chair: Mariana de Almeida, UFRN Co-Chair: Rodrigo Ferreira, UFPE Room2:					
	CODE	TITLE	AUTHORS				CODE	TITLE	AUTHORS		
9:00-9:20	54	The worth of cardinal information in MCDM – a guide to selecting weight-generating functions	Mats Danielson and Love Ekenberg			16	A dynamic model for scheduling maintenance activities	Gabrielle Ribeiro and Ana Paula Cabral Seixas Costa			
9:20-9:40	59	Efficiency and competitiveness evaluation of medium-lift launch vehicle (MLV) using integrated DEA-TOPSIS model	Zhen Wan, Rustam Ismatov, Haiyan Xu			26	FITradeoff to rank energy efficiency indicators in palm oil industries	Nathalia J. Monteiro, Elizabeth Cristina S. da Silva, Sérgio Eduardo G. da Costa and Edson P. de Lima			
9:40-10:00	60	A user interface design for consistent pairwise comparisons	Andrés Címadamora, Alejandro Fernandez, Chenhui Ye, Pascale Zaraté and Daouda Kamissoko			41	An alternative approach to portfolio selection using MCDM/A with an implicit enumeration algorithm: a case study of a natural gas pipeline	Ramon Swell Gomes Rodrigues Casado, Marcelo Hazin Alencar and Adiel Teixeira de Almeida			
10:00-10:20	74	A multiple criteria model for the recruitment and selection of the Portuguese Army Special Forces	Ana Sara Costa, José Rui Figueira and José Borbinha			55	Design of a Multicriteria Spatial DSS for portfolio selection in natural gas companies	Nayll Lacerda, Carolina Lino Martins, João Batista Sarmento dos Santos Neto, Edson Batista, Eduarda Frej and Lucas Silva			
10:20-10:40						Break					
10:40-12:00			Technical Session: Advances in MCDM/MCDA Chair: Helder Gomes, UFF Co-Chair: Eduarda Frej, UFPE Room1:			Technical Session: Neuroscience and Decision Chair: Ana Paula Costa, UFPE Co-Chair: Lucia Roselli, UFPE Room2:					
	CODE	TITLE	AUTHORS				CODE	TITLE	AUTHORS		
10:40-11:00	8	Japanese port alliance: Cooperative game theory analysis	Rintaro Rai, Sinndy Dayana Rico Lugo, Nariaki Nishino and Tomoya Kawasaki			11	Comparing FITradeoff with calculation and music activities using neuroscience tools	Jefferson Souza Medeiros, Ana Paula Cabral Seixas Costa and Anderson Lucas Carneiro de Lima da Silva			
11:00-11:20	58	FITradeoff Based Analysis of Cultural Tourism Products Regarding Post-Industrial Heritage in Czeladz Commune in Poland	Marek Czekajski, Tomasz Wachowicz and Eduarda Frej			12	Analysis of engagement during tradeoff elicitation from the perspective of neuroscience	Liana Ferreira Veloso, Ana Paula Cabral Seixas Costa and Anderson Lucas Carneiro de Lima da Silva			
11:20-11:40	75	ϵ -constraint algorithms for generating a Pareto front representation for multi-objective integer linear programming problems	Mariana Mesquita-Cunha, José Rui Figueira and Ana Paula Barbosa-Póvoa			32	Using neuroscience to analyze the level of attention of a decision-maker when using FITradeoff DSS	Rayara Sirel Maurício de Oliveira, Anderson Lucas Carneiro de Lima da Silva and Danielle Costa Morais			
11:40-12:00	3	Improving the Elicitation Process for Intra-Criterion Evaluation in the FITradeoff Method	Paolla Santo, Eduarda Frej and Adiel de Almeida			48	Analysis of consumer behavior in the context of packaging: an application of the Alpha-Theta Diagram	Vanessa Regina Vieira Santos, Aline Amaral Leal Barbosa, Anderson Lucas Carneiro de Lima da Silva, Lucia Reis Peixoto Roselli and Denise Dumke de Medeiros			
12:00-14:00						LUNCH					
14:00-15:40						TUTORIAL Visual Outdeck: um app para suporte visual a modelagem da decisão baseada em métodos de outranking Prof. HELDER GOMES - UFF Room 1:					
15:40-16:00						Break					
16:00-17:40			Technical Session: Advances in MCDM/MCDA and GDN Chair: Marcos Estellita, UFRJ Co-Chair: Ana Paula Cabral, UFPE Room1:			Technical Session: Decision models for Health Chair: Lucia Roselli, UFPE Co-Chair: Alexandre Alberti, UFPE Room2:					
	CODE	TITLE	AUTHORS				CODE	TITLE	AUTHORS		
16:00-16:20	6	A problem Structuring Multimethodology to Support a Post-graduation Course on Implant Dentistry	Silvana Spyrides, Leticia Pedrosa, Marcos Estellita Lins and Clarice Martins			61	Multicriteria Decision Model for Screening Patients considering scarce resources under COVID-19 pandemic	Eduarda Frej, Lucia Roselli, Rodrigo Ferreira, Alexandre Alberti and Adiel de Almeida			
16:20-16:40	31	A multi-criteria sorting approach via the Choquet integral to constructing social vulnerability composite indicators	Renata Pelissari and Leonardo Tomazeti Duarte			62	Portfolio-based Approach For Allocation Of Intensive Care Unit Beds For Suspected Covid-19 Patients Under Scarce Resources	Alexandre Alberti, Eduarda Frej, Lucia Roselli, Rodrigo Ferreira and Adiel de Almeida			
16:40-17:00	37	A data-driven approach to determine the 2-additive multilinear model parameters	Guilherme Pelegrina, Leonardo Tomazeti Duarte, Michel Grabisch and Joao Romano			63	Decision model to support telemedicine interventions in patients with Cystic Fibrosis considering multiple criteria	Amanda Galindo, Fabiola Fonseca, Murilo Britto, Rodrigo Ferreira, Eduarda Frej, Lucia Roselli, Alexandre Alberti and Adiel de Almeida			
17:00-17:20	2	Electronic Negotiation System based on FITradeoff method for eliciting negotiators' preferences	Maria Luíza Silva, Adriana Marques, Lucas Miguel Correia, Eduarda Frej and Danielle Morais			64	A multicriteria decision approach for telemedicine interventions for Asthma in patients of the northeast countryside of Brazil	Fabiola Fonseca, Amanda Galindo, Murilo Britto, Rodrigo Ferreira, Eduarda Frej, Lucia Roselli, Alexandre Alberti and Adiel de Almeida			
17:20-17:40	5	Incorporating Hierarchical Criteria Structure in the FITradeoff Method	Maria Júlia Vieira, Eduarda Frej, Adiel de Almeida and Francisco Filipe Viana			49	A GIS-MCDA model to evaluate spatial vulnerability to COVID-19	Ciro Figueiredo, Caroline Mota, Amanda Rosa, Arthur Souza and Simone Lima			

08:30-10:00	TUTORIAL Visual Outdeck: um app para suporte visual a modelagem da decisão baseada em métodos de outranking Prof. HELDER GOMES - UFF Room1					
10:00-10:20	<i>Break</i>					
10:20-12:00	Technical Session: Decision models in Environmental Context Chair: Marcelo Hazin, UFPE Co-Chair: Alexandre Alberti, UFPE Room1:			Technical Session: Decision models - strategy and business Chair: Caroline Mota, UFPE Co-Chair: Maisa Mendonça, UFPE Room2:		
	CODE	TITLE	AUTHORS	CODE	TITLE	AUTHORS
10:20-10:40	28	Forecasting the impact of climate change and urbanization on flood risks in a Brazilian Town with a novel non-stationary MCDM/A model	Lucas da Silva, Marcelo Alencar and Adiel de Almeida	34	The SMAA-2 Method for Decision On Innovation Projects: A Case Study	Tamires Correa
10:40-11:00	29	A GIS-based decision model for shelter location to support flood evacuation planning	Nicolas de Albuquerque, Igor de Andrade, Lucas da Silva and Marcelo Alencar	35	Public Security Evaluation in Smart and Sustainable Cities with a Group Decision approach	Mateus Müller Franco and Maisa Mendonça Silva
11:00-11:20	17	A Framework to Support Maintenance Planning for a Complex System Operating under Hazardous Conditions	Mariana Souza Menezes, Alexandre Ramalho Alberti and Cristiano Alexandre Virginio Cavalcante	22	A GIS-MCDA approach to quality of life assessment and public policy decision-making	Juliano C. R. Vale
11:20-11:40	40	Prioritization of GRI Standard's social sustainability indicators using FITradeoff method	George da Mota Passos Neto, Luciana Hazin Alencar, Emilia Rahnemay Kohlman Rabbani and Rodolfo Valdes-Vasquez	18	FiTradeoff Decision Support System: a new version combining elicitation by decomposition and holistic evaluation	Larissa Barcellos Borba, Manoel Lucas Sousa Ribeiro, Maria Júlia Leal Vieira, Paolla Polla Pontes do Espírito Santo, Eduarda Asfora Frej and Adiel Teixeira De Almeida
11:40-12:00	56	Generation of Alternatives to improve the Water Treatment Plant Management Based on VFT	Hugo Leonardo Belarmino, Ana Clara Saraiva and Danielle Morais	10	Analysis of studies based on GIS-MCDM/A integration	Jessyca Samaritana Ferreira Aires, Amanda Rosa and Caroline Mota
12:00-14:00	LUNCH					
14:00-15:40	Technical Session: Decision models in Service Systems Part I Chair: Carmen Mischel, ITA Co-Chair: Luciana Hazin, UFPE Room1:			Special Technical Session: INCT-INSID Course Part I Chair: Sergio Gouvea, UTFPR Co-Chair: Danielle Morais, UFPE Room2:		
	CODE	TITLE	AUTHORS	CODE	TITLE	AUTHORS
14:00-14:20	4	Manufacturing Execution System Selection by Use of Multicriteria Partial Information Method	Jorge Mondadori, Mischel Belderrain, Rodrigo Ferreira and Rafael Franço	70	Multi-criteria decision model for prioritizing Industry 4.0 technologies to increase maturity in Lean Manufacturing	Vanessa Santos, Luiz Ramos, Eduardo Loures and Fernando Deschamps
14:20-14:40	19	Enfoque sistémico aplicado al extensionismo tecnológico en PYMES usando la Reconfiguración de la Metodología de Sistemas Blandos (SSM)	Rocio Soledad Gutierrez Curo	71	Decision Making in the Initial Perspective of Digital Transformation	Cassiano Beller, Sergio Gouvea da Costa, Edson Pinheiro de Lima and Fernando Deschamps
14:40-15:00	23	Propuesta de Modelo de Mejora para incrementar el Nivel de Servicio de Toma de Muestras Ambientales mediante una adaptación de la metodología de sistemas de blandos de Peter Checkland reconfigurada por Ion Georgiou	Denisse Aliaga Paredes	72	Selection of Industry 4.0 technologies based on multicriteria decision making	Paulo Henrique Brunheroto, Fernando Deschamps, Sergio Gouvea da Costa and Eduarda Frej
15:00-15:20	21	Aplicación de la metodología de sistemas suaves al problema de ausentismo laboral em uma empresa de seguridad privada	Jackelyne Manco	69	Strategic incentive program for the construction sector's structural calculation office	Mauri Melo, Sérgio Gouvea da Costa, Edson Pinheiro de Lima and Fernando Deschamps
15:20-15:40	<i>Break</i>					
15:40-17:00	Technical Session: Decision models in Service Systems Part II Chair: Luciana Hazin, UFPE Co-Chair: Lucia Roselli, UFPE Room1:			Special Technical Session: INCT-INSID Course Part II Chair: Ricardo Pires, UFRN Co-Chair: Eduarda Frej, UFPE Room2:		
	CODE	TITLE	AUTHORS	CODE	TITLE	AUTHORS
15:40-16:00	7	Selecting a supplier in the agri-food supply chain using the FITradeoff method	Over M. Montes Causil and Danielle Costa Morais	66	Multi-criteria decision model for evaluation driver performance: Case Study in a Logistic Transport Company	Alexandre Varella, Talita Frazão, Ana Flavia Santos, Maiko Oliveira and Ricardo Pires de Souza
16:00-16:20	25	Using the FITradeoff Method to define a mix of products	Manoel Lucas Sousa Ribeiro, Lucia Reis Peixoto Roselli and Rodrigo Vieira Burégio de Lima	68	Selection of locations for the installation of day care centers in the City of Rio de Janeiro using the FITradeoff Method	Leila Santiago Souza da Silva, Eduardo Infante and Virgilio Filho
16:20-16:40	33	Prioritizing ship berthing using multicriteria decision analysis	Suellen Evelyn Pontes dos Santos, Priscila C. Berbert Rampazzo and Flávia Barbosa	67	Logistics Supplier Selection using the FITradeoff Method	Bruna Puppo, Carmen Belderrain and Danielle Morais
16:40-17:00	50	Bid/no-bid decision: An application of BNBSys by a Construction Company	Fábio Fernando Rocha Gomes, Cristiane Gabriela Boeing De Souza and Luciana Hazin Alencar	73	Applying Multicriteria in Manufacturing Process Improvement Projects	Paulo Tardio, Sergio Gouvea da Costa, Edson Pinheiro de Lima and Eduardo Santos
17:00-18:00	<i>Painel - AÇÕES DO INCT-INSID</i>					

FRIDAY

03 DE DEZEMBRO DE 2021

08:30-10:00	TUTORIAL Método FITradeoff: processo decisório e suas NOVAS características Prof. EDUARDA FREI, UFPE Room1					
10:00-10:20	<i>Break</i>					
10:20-12:40	Sessão Técnica: Modelos de Apoio a Decisão Chair: Ana Paula Gusmão, UFS Co-Chair: Thalles Garcez, UFPE Room1:			Sessão Técnica: Modelos de decisão em contextos diversos Chair: Vanessa Schramm, UFCG Co-Chair: Jonatas Almeida, UFPE Room2:		
	CODE	TITLE	AUTHORS	CODE	TITLE	AUTHORS
10:20-10:40	42	Modelo para otimização de uma política de manutenção baseada na condição para motobombas centrífugas utilizadas em redes de distribuição de água	Krislenn Samara Feitosa de Souza, Cristiano Alexandre Virgínio Cavalcante and Alexandre Ramalho Alberti	24	Utilização do Strategic Choice Approach para estruturação do problema da educação infantil pós-pandemia	Ygor Logullo, Miguel Angelo Lellis Moreira, Bruno Thiago Rego Valeriano Silva and Mischel Carmen Neyra Bekderrain
10:40-11:00	43	Collection Scoring como ferramenta de definição de estratégia de cobrança de clientes em situação de inadimplência bancária	Marcelo Santos, Caroline Mota, Raphael Kramer and Simone Lima	20	Método de apoio à decisão multicritério em cenários dinâmicos aplicado ao basquetebol	Betania Campello, Rafael Prochnow, Luciano Mercadante, Leonardo Duarte and João Romano
11:00-11:20	1	Meta-heurística aplicada na otimização do roteamento de agentes de manutenção em parques eólicos offshore	Eugenio Afonso De Souza Fischetti and Cristiano Alexandre Virgínio Cavalcante	14	Modelo de decisão baseado na Teoria da Utilidade Esperada: Contexto do Problema do Vendedor de Jornais	Livia Malta and Isaac Pergher
11:20-11:40	47	Framework de decisão para seleção de comprador/fornecedor e alocação de pedido em uma cadeia imediata de suprimento através da otimização multiobjetivo e multicritério	Geisiane Bárbara Inácio dos Santos, Helder Tenório Cavalcanti and Thalles Vitelli Garcez	15	Modelo multicritério para análise, construção e seleção de portfólio considerando sinergia entre projetos	Hévilla Oliveira and Jônatas A. Almeida
11:40-12:00	27	Análise dos movimentos oculares em gráficos de barras durante a avaliação holística do FITradeoff	Evellyn dos Santos, Evanielle Ferreira and Lucia Roselli	57	Aplicação do método FITradeoff para a priorização de tarefas entre projetos em startup brasileira	Fábio Augusto Lucena, Maria Carolina Pereira and Caroline Mota
12:00-12:20	30	Síntese de Análises Oculares em Visualizações Gráficas e Tabulares para Avaliação Holística no FITradeoff	Evanielle Ferreira, Lucia Roselli and Adiel de Almeida	9	Um estudo bibliométrico sobre o uso do método DPSIR (Driver, Pressure, State, Impact and Response)	Pâmela Teixeira, Vanessa Schramm, Fernando Schramm and Natalya Levino
12:20-12:40	52	Estruturação do Problema de definição do Layout de Operação e Priorização de Alternativas de ação utilizando VFT e FITradeoff	Hugo Soares, Cássia Santos and Ana Gusmão			
12:40-13:00	CLOSING SESSION					