

GENERAL TIME-TABLE

Legend

M.L.: Main Lecture

Abbr.	Session	Abbr	Session
B	Biomathematics	GT	Games theory
ME	Mathematical Economics	NA	Numerical Analysis
O	Optimization	OR	Operation Research
OR&D	Operation Research & Development	PD	Partial Differential Equations
PS	Probabilities & Statistics	TS&OR	Teaching Statistics & Operation Research

Monday

Universidad de la Habana.

9:00-12:00: Registration, Felipe Poey Building, Facultad de Matemática y Computación

	Room 1	Room 2	Room 3	Room 4
9:00-10:00			PD1	Tutorial
10:00-11:00			PDE1	Tutorial
11:00-12:00	Lunch	Lunch	Lunch	Lunch
12:00-13:00	EP1	EP2	PDE1	Tutorial
13:00-14:00	EP3	EP4		Tutorial

15:00-16:30: Opening Address, Aula Magna

19:00-22:00 Welcome party, Museo Nacional de Artes Decorativas.

Tuesday

Capitolio Nacional de Cuba

8:30-9:00: Welcome address, Hemiciclo del Capitolio Nacional de Cuba.

9:00-10:00 Opening Lecture Introducer: J. Guddat	Rubino, Gerardo, France	TRANSIENT ANALYSIS OF MARKOVIAN QUEUES
14:00-15:00 Plenary Lecture Introducer: S. Allende	Iusem, Alfredo Brazil	PROXIMAL POINT AND AUGMENTED LAGRANGIAN METHODS FOR EQUILIBRIUM PROBLEMS

Time	Room 1	Room 2	Room 3	Room 4
9:00-10:00				PDE2
10:00-10:20	Coffebreak	Coffebreak	Coffebreak	Coffebreak
10:20-12:40	O1	TS&OR1	PS1	PDE2
12:40-14:00	Lunch	Lunch	Lunch	Lunch
14:00-15:00				PDE3
15:00-15:10	Coffebreak	Coffebreak	Coffebreak	Coffebreak
15:10-17:30	NA1	PS2	ME1	PDE3

Wednesday

Capitolio Nacional de Cuba

9:00-10:00 Plenary Lecture Introducer: M. Cottrell	Bouveyron, Charles France	AN OVERVIEW ON HIGH-DIMENSIONAL DATA CLASSIFICATION WITH MODEL-BASED TECHNIQUES
14:00-15:00 Plenary Lecture Introducer: B. Cornet	Zaccour, George Canada	CANADA OPTIMAL PRICING AND ADVERTISING POLICIES FOR AN ENTERTAINMENT EVENT

Time	Room 1	Room 2	Room 3	Room 4
9:00-10:00				PDE4
10:00-10:20	Coffebreak	Coffebreak	Coffebreak	Coffebreak
10:20-12:40	PS3	GT1	OR1	PDE4
12:40-14:00	Lunch	Lunch	Lunch	Lunch
14:00-15:00				PDE4
15:00-15:10	Coffebreak	Coffebreak	Coffebreak	Coffebreak
15:10-17:30	ME2	OR2	O2	TS&OR2

20:00-23:00 Conference Dinner.

Thursday

Capitolio Nacional de Cuba

9:00-10:00 Plenary Lecture Introducer: A. Griewank	Gferer, Helmut Austria	ON A COMBINED PENALTY AND BARRIER APPROACH FOR A CLASS OF INFINITE DIMENSIONAL OPTIMIZATION PROBLEMS
14:00-15:00 Plenary Lecture Introducer: M. Florenzano	Keiding, Hans Denmark	THE PROBABILITY OF FACTOR PRICE EQUALIZATION

Time	Room 1	Room 2	Room 3	Room 4	Hall
9:00-10:00				PDE5	
10:00-10:20	Coffebreak	Coffebreak	Coffebreak	Coffebreak	
10:20-12:40	NA2	O3	GT2	PDE5	
12:40-14:00	Lunch	Lunch	Lunch	Lunch	
14:00-15:00				PDE	
15:00-15:10	Coffebreak	Coffebreak	Coffebreak	Coffebreak	
15:10-16:30	B	PS4	NA3	PDE6	P1
16:30-17:30	B	OR&D	NA3	PDE6	P1

18:30-20:00 Music Concert by students of Paulita Concepción School of Music, Palacio de Gobierno, Oficina del Historiador.

Friday

Capitolio Nacional de Cuba

9:00-10:00 Plenary Lecture Introducer: C. Bouza	Roemisch, Walter Germany	SCENARIO REDUCTION IN STOCHASTIC PROGAMMING
14:00-15:00 Closing Lecture Introducer: S. Mischler	Lyons, Pierre-Louis France	ANALYSIS, MODELS AND SIMULATION

Time	Room 1	Room 2	Room 3	Room 4	Hall
9:00-10:00				PDE7	
10:00-10:20	Coffebreak	Coffebreak	Coffebreak	Coffebreak	Coffebreak
10:20-11:20	OR3	PS5	ME3	PDE7	
11:20-11:50	OR4	PS5	ME3	PDE7	P2
11:50-12:40	OR4	O4	ME3	PDE7	P2

15:00: Farewell at Colegio de San Jerónimo de La Habana.

SESSIONS

Monday

Tutorial: Room 4, Varona Building.

Introducer: C. Bouza

09:30-11:30 Guyon, Xavier: ESTADÍSTICA ESPACIAL I.

12:30-14:30 Guyon, Xavier: ESTADÍSTICA ESPACIAL II.

Electronic Posters 1(EP1): Room 1, 2nd floor, Poey Building

Chair: Otero, J.M

Time	Authors	Contribution
12:00-13:00	Griep, C.C.	Scientific cooperation in Latinamerica
12:00-13:00	González, Z.	Parameter estimation of diffusion processes using EDAs
12:00-13:00	De Arazoza, H.	Modeling dengue fever: an overview and some working ideas
12:00-13:00	Abdel-aziz, E.	Integer linear programming objective - constraint zooming theory
12:00-13:00	Osman, H.	Applications of integer linear programming in architecture

Electronic Posters 2(EP2): Room 2, 3rd floor, Poey Building

Chair: Díaz, N.

Time	Authors	Contribution
12:00-13:00	Pino, C.	Aplicación de los sistemas de simulación al proceso de abastecimiento de combustible a los aviones de pequeño y gran tamaño en la empresa Sonangol distribuidora-aeroinstalación de Luanda
12:00-13:00	Medrano, B.	Heurísticas para el job shop scheduling
12:00-13:00	Martínez, H.	Aplicación de la modelación matemática en el funcionamiento hidrogeológico de las aguas subterráneas
12:00-13:00	Pérez, M.	Nuevo método de trabajo con los regresores en las series cronológicas de lluvia
12:00-13:00	Delgado, Y.	Classification by means of ant colony and parameters configuration

Electronic Posters 3(EP3): Room 1, 2nd floor, Poey Building

Chair: Bager, M.L.

Time	Author	Contribution
13:00-14:00	Bandala, M.	Reducción del espacio de búsqueda para problemas de calendarización aplicando un algoritmo genético multiobjetivo
13:00-14:00	Bager, M.L. Kakes, A.	Heurísticas de reordenamiento en matrices con estructura particular
13:00-14:00	González, R.	Grasp con búsqueda de vecindad variable aplicada al problema de asignación cuadrática para instancias de gran escala
13:00-14:00	Hernández, H.	Problema de cubrimiento de conjuntos

Electronic Posters 4(EP4): Room 2, 3rd floor, Poey Building

Chair: Freyre, P.

Time	Author	Contribution
13:00-14:00	Espinosa, M.	Musical genre recognition and cluster analysis
	Melis, Y.	Ant colony optimization for \mathbb{R}^n functions
13:00-14:00	Díaz, C.	Automatic linear model selection for a least squares data fitting problem with continuously differentiable piecewise defined models.
13:00-14:00	Fernández, A.	A polynomial time algorithm for the context free satisfiability problem
13:00-14:00	Chávez, M.C.	Use of Bayesian networks obtained by particle swarm optimization for high blood pressure diagnosis
13:00-14:00	Abdel-Aziz, E.	Political games and use of linear complementarity process in its solution

Partial differential equations 1(PDE1): Room 3

Chair: Estebán, M

Time	Speaker	Contribution
9:00-11:00	Caffarelli, L.	Problems involving anomalous diffusion I (mini-course)
12:00-12:30	Ackermann, N.	An invariant set generated by the domain topology for parabolic semiflows with small diffusion
12:30-13:00	Cabré, X.	Saddle-shaped solutions of bistable diffusion equations

Tuesday

Opening Lecture: Hemiciclo Capitolio de Cuba

Introducer: J. Guddat

9:00-10:00 Rubino, Gerardo: TRANSIENT ANALYSIS OF MARKOVIAN QUEUES

Optimization 1(O1): Room 1

Chair: Cucker, F.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Bouza G.	Cucker, F.	Coverage processes on spheres and condition numbers for linear programming
11:00-11:20	Rapcsák, T.	Sectional curvatures in nonlinear optimization
11:20-11:40	Fulöp, J.	Hungary Global optimization techniques for some optimization problems on Stiefel manifolds
11:40-12:00	Gárciga, R.	New condition characterizing solutions of variational inequality problems
12:00-12:20	Bouza, G.	On the role of MPCC-LICQ when solving bilevel programs by the Fritz-John relaxation

Teaching Statistics & Operations Research 1(TS&OR1)

Chair: Román, P.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Lara, A.M.	García, M.J.	Interactive materials for the resolution of a linear programming problem using the simplex method
11:00-11:20	Lara, A.M.	New methodologies in statistics: a different way of studying SPSS
11:20-11:40	Abad, F.	Obtaining of mortality tables in the classroom
11:40-12:00	Arcos, A.	Use of free software for mathematical and statistical training in pharmacy's studies
12:00-12:20	Montero, M.Á.	Education statistics of the autonomous city of Melilla

Probabilities and Statistics 1(PS1): Room 2

Chair: Kalashnikov, Vy.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Alvarez, A.	Kalashnikov, Vy.	Human migration model applied to Laguna region in Mexico
11:00-11:20	Ozdemir, D.	Retailer coordination under backordered and lost sales
11:20-11:40	Muñiz, L.	Nonparametric estimation of covariance functions: an approach based on covariance function expansions and regression methods for second order moments under quadratic loss
11:40-12:00	Alvarez, A.	Asymptotic properties of the estimators of the coefficients of a jump diffusion model
12:00-12:20	Milanés, A.	Numerical and simulation methods for the approximation of the probability of ruin with heavy tailed claims

Partial differential equations 2(PDE2): Room 4

Chair: Zuazua, E.

Time	Speaker	Contribution
09:00-09:30	Martínez, I.	Propagation and creation of L^1 and L^∞ estimates for the Boltzmann equation for variable hard potentials
09:30-10:00	Wolanski, N.	A free boundary problem for the $p(x)$ -Laplacian
10:30-12:00	Desvillettes, L.	Population dynamics via infinite-dimensional reaction-diffusion (mini-course)

Plenary Lecture

Introducer: S. Allende

14:00-15:00 Iusem, Alfredo: PROXIMAL POINT AND AUGMENTED LAGRANGIAN METHODS FOR EQUILIBRIUM PROBLEMS

Numerical Analysis 1(NA1): Room 1.

Chair: Griewank, A.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer Todorov, M.	Griewank, A.	Adjoint Broyden a la GMRES
15:50-16:30 M.L. Introducer Griewank, A.	Todorov, M.	Stability and ill-posedness in continuous linear optimization
16:30-16:50	Kalashnykova, N.	Numerical solution of complementarity problems with perturbation algorithms
16:50-17:10	Lage, A.	Solution to the Edward Anderson model in Husimilattices
17:10-17:30	Bank, B.	Real polynomial equation solving and applications

Probabilities & Statistics 2 (PS2): Room 2

Chair: Rueda, M.M.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Salas, R.J.	Rueda, M.M.	Estimating linear parameters from survey data using nonparametric regression
15:50-16:10	Škrabić, B.	Information identity in parameter estimation assuming nonconstant variance
16:10-16:30	Salas, R.J.	Identification of correlations between some of the metaheuristics used to solve the quadratic assignment problem by multivariate statistical techniques
16:30-16:50	Clemençon, S.	Estimation in a stochastic SIR model with contact tracing
16:50-17:10	Zetlaoui, M.	Statistical inference for markovian forestry models
17:10-17:30	De Bragança, B.	Meld as a predictor of long term mortality in liver transplantation list- a survival tree analysis

Mathematical Economy 1 (ME1): Room 3.

Chair: Galperin, E. A

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Posedel, P	Galperin, E.A	Consistency and non-causal models for long term planning via uniform small sample random number generation
15:50-16:10	Posedel, P	Mathematical model and decision support system for determining the marginal reserve requirement as a monetary policy instrument
16:10-16:30	Arnerić, J.	Multivariate risk-return decision making within dynamic estimation
16:30-16:50	Assis de S., A.	The effects of the information flow on the stock market volatility: an empirical test
16:50-17:10	Jurun, E.	Independence testing of variables with nominal measure-customs component in croatian brand

Partial differential equations 3 (PDE3): Room 4

Chair: Murat, F.

Time	Speaker	Contribution
14:00-14:30	Padilla, P.	Genetic regulatory networks: a PDE approach
14:30-15:00	Salort, D.	Trace theorem on infinite tree, application to human lung
15:20-15:50	Dolbeault, J.	The two-dimensional Keller-Segel model after blow-up
15:50-17:30	Fujita, H	Stochastic equations in population dynamics with diffusion (mini-course)

Wednesday

Plenary Lecture

Introducer: Cottrell, M.

9:00-10:00 Charles Bouveyron: AN OVERVIEW ON HIGH-DIMENSIONAL DATA CLASSIFICATION WITH MODEL-BASED TECHNIQUES

Probabilities & Statistics 2(PS3): Room 1

Chair: Cottrell, M.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Bouveyron, C.	Cottrell, M.	Dynamical equilibrium, trajectories study in an economical system. The case of the labor market
11:00-11:20	Gaubert, P.	Combining Markov switching models and the detection of change-points with the SOM algorithm to explain a temporal process
11:20-11:40	Girard, S.	Regularization methods for sliced inverse regression
11:40-12:00	Pradier, P.	Applications of decision theory in economics: Massé after Pascal, Laplace and Bachelier (right before Pontryagin)
12:00-12:20	Verleysen, M.	Feature selection with low-dimensional mutual information

Games Theory 1(GT1): Room 2

Chair: Hervés, C.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: De Meyer, B.	Hervés, C.	Large economies and two-player games
11:00-11:20	Bich, P.	Nash equilibrium existence in discontinuous games without quasi-concavity: a new approach
11:20-11:40	Tomala, T.	Correlation and authentication in repeated games with network monitoring
11:40-12:00	Abdou, J.	Stability index of interactive form
12:00-12:20	De Meyer, B.	Price dynamics on a stock market with asymmetric information
12:20-12:40	Alkan, A.	University admissions and shortlist matching

Operations Research 1(OR1): Room 3

Chair: Plá, Ll.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Neralic, L.	Plá, Ll.	Modern intensive livestock production: the case of the Spanish pig sector planning
11:00-11:20	Bahovec, V.	Forecasting the direction of changes in Croatia's industrial production with Ici and Crolei
11:20-11:40	Facó, J.	A nonlinear programming approach for scheduling problems in ports
11:40-12:00	Gryspolakis, J.	A multicriteria approach for measuring airport visitors' perception
12:00-12:20	Jula, P.	Mathematical programming based scheduling of parallel batch processing machines under multi resource constraints

Partial differential equations 4(PDE4): Room 4

Chair: Desvillettes, L.

Time	Speaker	Contribution
09:00-09:30	Valiño, B.	Obtaining shock solutions via Maslov's theory and Colombeau algebra for conservation laws with analytical coefficients
09:30-10:00	Mouhot, C.	Hypocoercivity for kinetic models with a confining potential
10:30-12:00	Caffarelli, L.	Problems involving anomalous diffusion II (mini-course)

Plenary Lecture

Introducer: B. Cornet

14:00-15:00 George Zaccour: OPTIMAL PRICING AND ADVERTISING POLICIES FOR AN ENTERTAINMENT EVENT

Mathematical Economics 2(ME2): Room 1

Chair: Cornet, B.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Mastinsek, M.	Cornet, B.	Existence of financial equilibria in a multi-period Stochastic economy
15:50-16:10	Kalashnikov, Vy.	Conjectural variations equilibrium: applications to mixed duopoly
16:10-16:30	Mastinsek, M.	On the option delta in discrete time
16:30-16:50	Rozga, A.	Dependence between volatility persistence, kurtosis and degrees of freedom
16:50-17:10	Blanco, B.	The application of the fuzzy sets to the evaluation of the operation risks
17:10-17:30	Espín, R.	Toward a rationality of decision based on the Language: theoretical links and experimental of the compensatory fuzzy logic, the expected utility theory and prospects

Operations Research 2 (OR2):Room 2

Chair: Geiger, M.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Hunjet, D.	Geiger, M.	Interactive approaches to multi-criteria optimization and decision support - principles, methods, and applications
15:50-16:10	Hunjet, D.	An application of data envelopment analysis in industrial efficiency assessment
16:10-16:30	Marasović, B.	Comparison of optimal portfolios selected by multicriterial model using absolute and relative criteria values
16:30-16:50	Pivac, S.	Traders-investors decision strategy by rolling estimates
16:50-17:10	Tomić, N.	An application of alternative risk measure in estimation of the efficient frontiers for transitional European capital markets
17:10-17:30	Aljinovic, Z.	Difference estimation between old - well established and European new - fast growing capital markets

Optimization 2 (O2): Room 3

Chair: Xavier, A.E.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Enkhbat, R.	Xavier, A. E.	A novel soft clustering algorithm via the hyperbolic smoothing approach
15:50-16:30 M.L. Introducer Guddat, J.	Enkhbat, R.	On the maximum and minimum radius problems over a polyhedral set
16:30-17:10 M.L. Introducer Xavier, A.E.	Guddat, J.	A modified standard embedding for using in nonlinear global optimization
17:10-17:30	Papa, E.P.	Classical and logarithmic-quadratic proximal methods for quasiconvex functions

Teaching Statistics & Operations Research 2(TS&OR2): Room 4

Chair: Lara, A.M.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Roman, P.	Lara, A.M.	Statistics by means of ICT, e-folders and real data
15:50-16:10	Fuentes, A.	Descriptive analysis of time series
16:10-16:30	Román, P.	New trends for teaching probability using CDPYE
16:30-16:50	Lara, A.M.	Statistics using a message in code and some literary texts
16:50-17:10	Bouza, C.	Estimating the difference of means with imputation of the missing observation
17:10-17:30	Pedreira, L.	Towards traffic lights control through an hybrid method of solution

Thursday

Plenary Lecture

Introducer: Griewank, A.

9:00-10:00 Gferer Helmut: ON A COMBINED PENALTY AND BARRIER APPROACH FOR A CLASS OF INFINITE DIMENSIONAL OPTIMIZATION PROBLEMS

Numerical Analysis 2(NA2): Room 1

Chair: Abramov, O.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: León, A.	Abramov, O.	Computer aided system for optimal parametric synthesis
11:00-11:20	Benitez, G.	A new stabilized finite element method for two second order PDEs: the Galerkin projected residual method
11:20-11:40	Bozóki, S.	A generalization of the eigenvector method for incomplete pairwise comparison matrices
11:40-12:00	León, A.	Random sequential adsorption algorithm to generate geometries of composite materials
12:00-12:20	Vampa, V.	The construction of beam and plate finite elements using wavelet basis functions

Optimization 3(O3): Room 2

Chair: Cancela, H.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Velásquez, J.	Cancela, H.	Counting knight's tours through the randomized Warnsdorff rule
11:00-11:20	Böse, J. W.	Sensitive analysis of external influences on container handling cost
11:20-11:40	Velásquez, J.	Optex mathematical modeling system
11:40-12:00	Piza, E.	Circular chains of Chinese dice
12:00-12:20	Daduna, J.	Germany Resource scheduling in garbage collection

Games Theory 2(GT2): Room 3

Chair: Florenzano, M.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Osorio, M.A.	Florenzano, M.	Public goods provision: general versus Lindahl equilibrium
11:00-11:20 Introducer: Florenzano, M.	Osorio, M.A.	Portfolio optimization based on the conditional value at risk (CVAR) of simulated scenarios
11:40-12:00	Ferreira, F.	Endogenous leader-follower relations when demand is uncertain
12:00-12:20	Huaccho, L.	Supplier-customer entropic-related complexity for customised products before vs. after core process redesign
12:20-12:40	Ferreira, F.	Patent licensing in a Cournot duopoly from high cost firm to low cost firm

Partial differential equations 5(PDE5): Room 4

Chair: Cabré, X.

Time	Speaker	Contribution
09:00-09:30	Leiva, H.	Interior controllability of thermoelastic plate equation
09:30-10:00	Zuazua, E.	Flow control in the presence of shocks
10:30-11:00	Ponce, G.	On uniqueness properties of solutions to the classical dispersive equations
11:00-11:30	De Teresa, L.	About insensitizing controls for the heat equation
11:30-12:00	Soler, J.	Dispersive properties and stability of solutions for relativistic and non-relativistic models in astrophysics: application to black matter halos

Plenary Lecture

Introducer: M. Florenzano

14:00-15:00 Keiding, H. THE PROBABILITY OF FACTOR PRICE EQUALIZATION

Biostatistics 1(B1)

Chair: Valdés, P.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: de Bragança, B.	Valdés, P.	Neural mass model based EEG-FMRI fusion
15:50-16:10	De Arazoza, H.	Modeling HIV-AIDS in Cuba: analysis of non linear models
16:10-16:30	De Bragança, B.	Combining unsupervised and supervised neural networks analysis in gamma ray burst patterns classification
16:30-16:50	Lippe, W.	Analyzing multi-source medical data by neural networks
16:50-17:10	Viada, C.	Adaptive designs for ongoing phase II or phase III cancer clinical trials in Cuba
17:10-17:30	Joya, G.	Modelling of a greenhouse system by means of parameter estimation with Hopfield neural network

Probabilities and Statistics 4(PS4): Room 2

Chair: Pashchenko, F.

Time	Speaker	Contribution
15:10-15:50 M.L. Introducer: Purevdorj, M.	Pashchenko, A. F.	Statistical linearization and identification of nonlinear systems
15:50-16:10	Pashchenko, F.F.	Problems of modelling of stochastic systems and consistent methods of identification
16:10-16:30	Purevdorj, M.	Minimum time path and law

Room 2: Round Table

16:30-17:30 Operations Research and Development

Numerical analysis 3(NA3): Room 3

Chair: Otero, J.M.

Time	Speaker	Contribution
15:10-15:40	Beausoleil, R.	Optimizador de rutas para el transporte de carga homogénea
15:40-16:00	Trejos, J.	Modelación del crecimiento en el servicio de televisión por cable
16:00-16:20	Villalobos, M.	Modelación y convergencia del algoritmo del sistema inmune artificiales multiobjetivo
16:30-16:50	Freyre, P.	Algoritmo para la generación aleatoria de matrices booleanas inversibles
16:50-17:10	Palencia, G.	Aplicación del algoritmo de Alizadeh en la solución de problemas de programación cuadrática convexa discreta
17:10-17:30	Murillo, A.	Representación de objetos y sus conglomerados

Partial differential equations 6(PDE6): Room 4

Chair: Fujita, H.

Time	Speaker	Contribution
14:00-14:30	Jabin, P.E.	Mean field limit of interacting particles with singular potentials
14:30-15:00	Murat, F.	Existence and a priori estimate for elliptic problems with subquadratic gradient dependent terms
15:30-16:00	Galeano, R.	Small data existence for the Boltzmann equations in L^1
16:00-17:30	Abreu, R.	Generalized Moisil-Théodoresco systems and Cauchy integral decompositions

Poster 1(P1): Hall

Chair: García, M.J.

Time	Authors	Contribution
15:10-17:30	Ortiz, M.	Procedure for the management of inventories in commercial and service companies, by using models of optimization
	García, E.	A didactic experience about probability by means casino
	Montero, M.A.	New tendencies and the learning in statistic
	Guarata, N.	Uncertainty evaluation models using interval arithmetic
	Lara, A.M.	An application of COX' s proportional hazard model to patients with AIDS in Spain
	Camero, Y.C.	Mathematical model for the feeding of the bovine live stock
	Laffita, A.	Determinación de los atributos claves del servicio SPA "Aguas de Oro" del hotel Paradisus Río de Oro Resort & SPA
	Mazcorro, G.	Applying fuzzy techniques to corrupt-collusion analysis
	Vila, E.	Problem structuring and decision taking in Venezuela
	Rodríguez, L.	Approximation for distribution of fuzzy scan satatistics

Friday

Plenary Lecture

Introducer: C. Bouza

9:00-10:00 Werner Roemisch: SCENARIO REDUCTION IN STOCHASTIC PROGRAMMING.

Operations Research 3(OR3): Room 1

Chair: Rodríguez, M.V.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: León A.	Caballero, R.	Analysis, via multiobjective programming, of the impact of the reduction of the weekly working hours on the employment rate
11:00-11:20	León. A.	Timber harvest scheduling in Cuba using a multiobjective approach

Operations Research 4(OR4): Room 1

Chair: Gómez, T.

Time	Speaker	Contribution
11:20-11:40	Sira Allende	Rango ordinal de zonas del estado de Guerrero, respecto a la certeza en el diagnóstico del dengue: índices de consenso y modelos multicriterio
11:40-12:00	Guerrero, F.	Indicadores sintéticos para destinos de turismo rural: el caso andaluz
12:00-12:20	Rodríguez, M.V.	Carteras socialmente responsables seleccionadas con referencia a benchmarks y metodología difusa
12:20-12:40	Plá, Ll.	La optimización del cultivo de variedades de caña de azúcar

Probabilities & Statistics 5(PS5): Room 2

Chair: Sistachs, V.

Time	Speaker	Contribution
10:20-10:40	Herrera, C.	Distintos contrastes de cointegración en econometría. Aplicaciones
10:40-11:00	Sistachs, V.	Utilización del algoritmo del Gibbs Sampler en modelos de regresión
11:00-11:20	Covarrubias, D.	Un estudio de clases de estimadores basados en una razón
11:20-11:40	Juvier, J.C.	Resolución de grandes sistemas de ecuaciones con matrices sparse

Optimization 4(O4): Room 2

Chair: Bahovec, V.

11:40-12:00	Neralic, L.	Data envelopment analysis in efficiency assessment of agricultural production
12:00-12:20	Lukač, Z.	Solving the production-transportation problem in the petroleum industry
12:20-12:40	Simões, R.S.	Reprogramming of orders of service of maintenance with prioritization of the delay time and equipment criticality using linear programming models

Mathematical Economics 3(ME3): Room 3

Chair: Wickstroem, B.A.

Time	Speaker	Contribution
10:20-11:00 M.L. Introducer: Helmes, K.	Wickstroem, B.A.	Economic behavior and social norms
11:00-11:20	Alfonso, A.	Use of Statics in demographic data
11:20-11:40	Schliebner, N.	Inequality, poverty and happiness in Germany

Partial differential equations 7(PDE7): Room 4

Chair: Ponce, G.

Time	Speaker	Contribution
09:00-09:30	Esteban, M.J.	Multipolar hardy-like inequalities
09:30-10:00	Vega, L.	On the stability of a singular vortex dynamic
10:30-11:00	Castellano, L.O.	Ecuación de Riccati para la matriz de dispersión en medios no homogéneos
11:00-12:30	Lions, P.L.	On mean field games (mini-course)

Poster 2(P2): Hall

Chair: Roldán R.

Time	Authors	Contribution
10:20-12:30	Roldán, R.	Espacio de funciones abstractas de p -variación acotada
	Roldán, R.	Un espacio de funciones de tipo James
	Roldán, R.	Un teorema de representación para el algebra de las funciones de p -variación acotada
	Fernández, A.	Un algoritmo para la detección de casos excepcionales basado en el modelo de conjuntos aproximados de precisión variable (VPRS)
	Torres, M.	Desarrollo de un sistema de gestión de inventario. Ejemplo de aplicación en una entidad comercializadora
	Dávila, M.	Estimación de parámetros en difusiones con saltos a partir de observaciones discretas usando funciones estimantes
	Sánchez, A.	Una estrategia de solución óptimo de portafolios con restricciones

Closing Lecture: Hemiciclo Capitolio de Cuba

Introducer: Mischler, S.

14:00-15:00 Pierre-Louis Lions: ANALYSIS, MODELS AND SIMULATIONS.