



# Preliminary List of Participants

[<http://gama.uc3m.es/appopt/>]

[last updated May 14, 2016]

1. **Christian Clason**, University Duisburg-Essen, Germany.  
Plenary lecture: *Nonsmooth optimization of partial differential equations*
2. **Jeffrey S. Geronimo**, Georgia Institute of Technology, USA.  
Plenary lecture: *Bivariate Bernstein-Szegő weights on the square*
3. **Vladimir Shikhman**, Catholic University of Louvain (UCL), Belgium.  
Plenary lecture: *Algorithmic principle of least revenue for finding market equilibria*
4. **Vilmos Totik**, University of South Florida, USA & University of Szeged, Hungary.  
Plenary lecture: *The asymptotic form of the Gauss-Lucas theorem*
5. **Rehouma Abdelhamid**, Department of Mathematics, University of Hama Lakhdar of Eloued, Algeria.  
Talk: *Polar Bergman Orthogonal Polynomials*
6. **Sira Allende Alonso**, Universidad de La Habana, Cuba.  
Talk: *Optimizing derivatives through stochastic programming*
7. **Alexandre Aptekarev**, Keldysh Institute of Mathematics, Russia.  
Talk: *Discrete integrable systems generated by Angelesco systems of Hermite-Padé approximants*
8. **Didier Aussel**, University of Perpignan, France.  
Talk: *Projected solutions of Nash games with applications to electricity markets*
9. **Laurent Baratchart**, INRIA Sophia-Antipolis, France.  
Talk: *Best rational approximation to functions with finitely many singularities*
10. **Abraham Barragán**, Benemérita Universidad Autónoma de Puebla, México.  
Talk: *Solvability and new primal-dual partition of the space of linear semi-infinite continuous optimization problems*
11. **Dolores Barrios Rolanía**, Universidad Politécnica de Madrid, Spain.  
Talk: *The Darboux transformations and the Kostant-Toda system*
12. **Bernhard Beckermann**, University of Lille, France.  
Talk: *Bergman orthogonal polynomials and the Grunsky matrix*
13. **Sofía Behar Jequín**, Universidad de La Habana, Cuba.  
Talk: *A fair Hermite quadratic A-spline scheme*

14. **Yunier Bello Cruz**, IME, Federal University of Goias, Brasil.  
Talk: *On proximal (sub)gradient splitting method for nonsmooth convex optimization problems*
15. **Carlos Beltrán**, Universidad de Cantabria, Spain.  
Talk: *Random processes and minimal energies in high dimensional spheres*
16. **Antonio Bolufé Röhler**, Universidad de La Habana, Cuba.  
Talk: *Algoritmos heurísticos para la solución del problema lineal con restricciones de equilibrio*
17. **Carlos N. Bouza Herrera**, Universidad de La Habana, Cuba.  
Talk: *Optimizing derivatives through stochastic programming*
18. **Gemayqzel Bouza Allende**, Universidad de La Habana, Cuba.  
Talk: *Scalar functions for computing minimizers under variable order structures*
19. **Luis Alberto Bouza Alvarez**, Universidad de La Habana, Cuba.  
Talk: *Un algoritmo memético aplicado al problema de planificación de recorridos turísticos*
20. **Winston Buckley**, Bentley University, Massachusetts, USA.  
Talk: *Numerical approximations of optimal portfolios in mispriced asymmetric Levy markets*
21. **Javier Cabrera**, Universidad de La Habana, Cuba.  
Talk: *Interpolación de la superficie craneal para el diseño automático de prótesis*
22. **Junot Cacoq**, ESIH, Puerto -Principe , Haiti.  
Talk: *Convergence of row sequences of simultaneous Fourier-Padé approximation*
23. **Joanna Campbell Amos**, Universidad de La Habana, Cuba.  
Talk: *Problema del cartero chino sobre redes mixtas*
24. **Glaydston de Carvalho Bento**, Instituto de Matemática e Estatística/UFG, Portugal.  
Talk: *A new approach to the proximal point method: convergence on general riemannian manifolds*
25. **Danae Carreras García**, Universidad de la Habana, Cuba.  
Talk: *A smoothing approach for mathematical programs with complementarity constraints*
26. **Mirta Castro Smirnova**, University of Seville, Spain.  
Talk: *Time and band limiting for matrix orthogonal polynomials*
27. **Theodore S. Chihara**, Purdue University, NW, USA.  
Talk: *An extension of the orthogonal polynomials of Gottlieb*
28. **Fritz Colonius**, Institute of Mathematics, University of Augsburg, Augsburg, Germany.  
Talk: *Lyapunov exponents for random switched systems and stabilizability of control systems*
29. **Erick Manuel Delgado Moya**, Universidad de La Habana, Cuba.  
Talk: *Orthogonal polynomials in the solution of the problem of optimal control*
30. **Manuel Domínguez de la Iglesia**, Instituto de Matemáticas, UNAM, México.  
Talk: *Two stochastic models related with an example coming from group representation theory*

31. **Rafael Díaz Fuentes**, Instituto de Cibernética, Matemática y Física. Cuba.  
Talk: *Subdivision based snakes for contour detection*
32. **Peter Dragnev**, Indiana-Purdue University -Ft. Wayne, Indiana, USA.  
Talk: *Universal lower bounds on energy of spherical codes*
33. **Alexander Dyachenko**, Institut für Mathematik, Germany.  
Talk: *Hurwitz and Hurwitz-type matrices of two-way infinite series*
34. **Jorge Estrada Salarbous**, Instituto de Cibernética, Matemática y Física. Cuba  
Talk: *Subdivision based snakes for contour detection*
35. **Lidia Fernández**, Universidad de Granada, Granada, Spain.  
Talk: *Krall orthogonal polynomials on the simplex*
36. **Abel Fernández Infante**, Instituto Superior Politécnico, La Habana, Cuba.  
Talk: *Consequences of Abel's theorem extended to the rows of the Padé table*
37. **Alina Fernández Arias**, Universidad de La Habana, Cuba.  
Talk: *Método de búsqueda local y perturbación para el problema de enrutamiento de vehículos con recogida y entrega simultánea*
38. **Orizon P. Ferreira**, Universidade Federal de Goiás, Brazil.  
Talk: *Unifying the local convergence analysis of Newton's Method for strongly regular generalized equations*
39. **Dafne García de Armas**, Universidad de La Habana, Cuba.  
Talk: *Estrategia de selección de recorridos para el problema de enrutamiento de vehículos con flota heterogénea y múltiples compartimentos*
40. **Aracelys García Armenteros**, Universidad de La Habana, Cuba.  
Talk: *Análisis experimental con metaheurísticas*
41. **Dayron García Pérez**, Universidad de La Habana, Cuba.  
Talk: *A fair Hermite quadratic A-spline scheme*
42. **Doug Hardin**, University of Vanderbilt, USA.  
Talk: *Asymptotics of minimal discrete periodic energy problems*
43. **Lisa Hegerhorst**, Leibniz University, Hannover, Germany.  
Talk: *Optimization in water distribution systems*
44. **Victoria Hernández Mederos**, Instituto de Cibernética, Matemática y Física, Cuba  
Talk: *Subdivision based snakes for contour detection*
45. **Diederich Hinrichsen**, University of Bremen. Germany.  
Talk: *Optimization problems in the stability analysis of uncertain time-varying systems*
46. **Azadeh Hosseinpour**, Department of Mathematics, Faculty of Science, Naresuan University, Thailand.  
Talk: *Ekeland's variational principle and its application to equilibrium problems*

47. **Miguel Jiménez Pozo**, Universidad Autónoma de Puebla, México.  
Talk: *A note on the existence of certain nowhere Lipschitz functions*
48. **Alexander Komlov**, Steklov Institute RAS, Moscow, Russia.  
Talk: *Analytic continuation of meromorphic functions defined on a three-sheeted Riemann surface via type I Hermite-Padé polynomials*
49. **Rostyslav Kozhan**, Uppsala University, Sweden.  
Talk: *Multiplicative non-Hermitian perturbations of Hermitian matrices and classical random matrix ensembles*
50. **Natascha Krienen**, Leibniz University, Hannover, Germany
51. **Volha Kushel**, Shanghai Jiao Tong University, China.  
Talk: *Ordered D-stability and its application to mathematical economics*
52. **George Labahn**, David R. Cheriton School of Computer Science, University of Waterloo, Canada.
53. **Lance Littlejohn**, Baylor University, Waco, Texas, USA.  
Talk: *Glazman-Krein-Naimark theory, left-definite theory and the square of the Legendre polynomials differential operator*
54. **Guillermo López Lagomasino**, Universidad Carlos III de Madrid, Spain.  
Talk: *On Nikishin systems with discrete components and weak asymptotics of their orthogonal polynomials*
55. **Francisco Marcellán Español**, Universidad Carlos III de Madrid, Spain.  
Talk: *Linear spectral transformations of matrix of measures*
56. **Aymée Marrero Severo**, Universidad de La Habana. Cuba.  
Talk: *Orthogonal polynomials in the solution of the problem of optimal control*
57. **Andrei Martínez Finkelshtein**, Universidad de Almería, Spain.  
Talk: *Do orthogonal polynomials dream of symmetric curves?*
58. **Ana Matos**, University of Lille, Lille, France.  
Talk: *On rational functions without Froissart doublets*
59. **Wilfredo Morales Lezca**, Universidad de La Habana, Cuba.  
Talk: *A fair Hermite quadratic A-spline scheme*
60. **Ramón Orive**, Universidad de La Laguna, Spain.  
Talk: *On external fields created by fixed charges*
61. **Juan Manuel Otero Pereira**, Universidad de La Habana. Cuba.
62. **Domingo Pestana Galván**, Universidad Carlos III de Madrid, Spain.  
Talk: *Muckenhoupt inequalities with three measures and applications to Sobolev orthogonal polynomials*
63. **Héctor Pijeira Cabrera**, Universidad Carlos III de Madrid, Spain.  
Talk: *On Sobolev-Type Extremal Polynomials*

64. **Allan Pinkus**, Technion, Haifa, Israel.  
Talk: *Approximation algorithms for ridge functions*
65. **Luis Ramiro Piñeiro**, University of Havana, Cuba  
Talk: *Consequences of Abel's theorem extended to the rows of the Padé table*
66. **Ana Portilla Ferreira**, St. Louis University (Madrid Campus). Spain.  
Talk: *Asymptotics of extremal polynomials with respect to Sobolev norms*
67. **Eugénio A. M. Rocha**, Dept of Mathematics, Univ. of Aveiro, Portugal.  
Talk: *1. A reproducing kernel Hilbert discretization method for linear PDEs with nonlinear right-hand side. 2. Hybrid nonautonomous SIR-model coming from a simple and reasonable government action police*
68. **José M. Rodríguez**, Universidad Carlos III de Madrid, Spain.  
Talk: *Markov-type inequalities and duality in weighted Sobolev spaces*
69. **Glenda Rodríguez García**, Universidad de La Habana, Cuba.  
Talk: *Redes complejas con aplicación a la epidemia de dengue*
70. **Mariano Rodríguez Ricard**, Universidad de La Habana, Cuba.  
Talk: *Patrones fuertes de Turing-Hopf en el sistema de Lengyel-Epstein*
71. **David Romero**, Universidad Nacional Autónoma de México, México.  
Talk: *An approach to political districting in Mexico*
72. **Daniel Rose**, Leibniz University, Hannover, Germany.  
Talk: *Warm started active set solver for tree-structured QP's*
73. **Edward B. Saff**, University of Vanderbilt, USA.  
Talk: *Optimal discrete measures for Riesz potentials*
74. **Julián Sarría González**, Universidad de las Ciencias Informáticas, Cuba.  
Talk: *Patrones fuertes de Turing-Hopf en el sistema de Lengyel-Epstein*
75. **Ruediger Schultz**, University of Duisburg-Essen, Faculty of Mathematics. Germany.  
Talk: *Some Remarks on checking feasibility of nominations in gas pipeline systems*
76. **Anier Soria Lorente**, Universidad de Granma. Cuba.  
Talk: *1. On series representations for Apéry's constant. 2. Analytic properties of Al-Salam-Carlitz I-Sobolev type orthogonal polynomials*
77. **Maya Miteva Stoyanova**, University of Sofia, Bulgaria.  
Talk: *Energy bounds for antipodal spherical codes*
78. **Maria das Neves Rebocho**, University of Coimbra, Portugal.  
Talk: *Discrete Painlevé equations for recurrence coefficients of Laguerre-Hahn orthogonal polynomials of class one*
79. **Nikos Stylianopoulos**, University of Cyprus, Cyprus.  
Talk: *Relative asymptotics of orthogonal polynomials*

80. **Moisés Soto Bajo**, Universidad Nacional Autónoma de México, México.  
Talk: *Anisotropic approximation with shift-invariant subspaces*
81. **Marc Steinbach**, Leibniz University, Hannover, Germany.  
Talk: *Optimization in water distribution systems*
82. **Dania Tamayo Vera**, Universidad de La Habana, Cuba.  
Talk: *Algoritmos heurísticos para la solución del problema lineal con restricciones de equilibrio*
83. **Jan Thiedau**, Leibniz University, Hannover, Germany.  
Talk: *Nonlinear optimization in gas networks for storage of electric energy*
84. **Mikhail Tyaglov**, Shanghai Jiao Tong University, China.  
Talk: *Zeroes of finite differences of polynomials and entire functions*
85. **Damián Valdés Santiago**, Universidad de La Habana, Cuba.  
Talk: *Estudio de singularidades en transitorios de presión*
86. **Walter Van Assche**, KU Leuven, Belgium.  
Talk: *Asymptotic distribution of the zeros of Jacobi-Piñeiro and multiple Laguerre polynomials*
87. **Oscar L. Vera**, Universidad de La Habana, Cuba.  
Talk: *Interpolación de la superficie craneal para el diseño automático de prótesis*
88. **Thomas Wetere Tulu**, Chinese Academy of Sciences, China.
89. **Franck Wielonsky**, Aix-Marseille University, France  
Talk: *Modified logarithmic potential theory and applications*
90. **Alejandro Zarzo**, Universidad Politécnica de Madrid, Madrid, Spain.  
Talk: *A MINLP model to optimize energy consumption in railway rapid transit networks*
91. **Ahmed Zayed**, De Paul University, Chicago, USA.  
Talk: *Convolution and product theorems for the special affine Fourier transform*