PROGRAM

The work sessions will be located in the Aula Magna of S. Chiara College

Sunday 4 July
17:00-19:30  Registration in Refugio Residence
19:30  Welcome Cocktail in Refugio Residence

Monday 5 July
8:00-8:30  Registration in S. Chiara College
8:30-8:45  Welcome
8:45-9:30  Plenary lecture: Some new self-avoiding walk and polygon models, A.Guttmann

Chair session:  Srecko Brlek
9:30-9:50  Lattice path enumeration and Toeplitz matrices, S. Felsner, D. Heldt
9:55-10:15  Lattice path enumeration related to a paper by Hahrand Ringel, H. Prodinger
10:20-10:40  SLK-tilings obtained from lattice path enumeration, F. Bergeron, C. Reutenauer, A. Rodriguez

10:45 - 11:15  Coffee break

11:15 - 11:35  Binary words avoiding a pattern and marked succession rule, S. Bilotta, D. Merlini, E. Pergola, R. Pinzani
11:40 - 12:00  Lattice path enumeration for 321-avoiding permutations with further restrictions, M. Inuma, M. Hagiwara, M. Tomie
12:05 - 12:25  Local move connectedness of matchings of lattices with extra edges, F. Nakano, T. Sadahiro
12:30 - 14:00 Lunch

**Chair session: Robert Cori**

14:00 - 14:20 Every polyomino yields at most two square tilings, A. Blondin Massé, S. Brlek, A. Garon, S. Lábbé
14:25 - 14:45 Generalized tilings and Plucker cluster algebras, V. I. Danilov, A. V. Karzanov, G. A. Koshevoy
14:50 - 15:10 The uplift principle and new applications of the Riordan group, L. Shapiro
15:15 - 15:35 Explicit formulas for a sequence of binary tree polynomials, M. D'Adderio, A. M. Garsia
15:40 - 16:00 On the distributions of absorbed particles in crossing a field containing absorption points, C. Charalambides

16:05 - 16:35 Coffee break

16:35 - 16:55 On the number of collisions for the balls – and –urns problem with unequal probabilities, T. Nakata
17:00 - 17:20 On simsum and double simsun permutations avoiding a pattern of length three, W.-C. Chuang, S.-P. Eu, T.-S. Fu, Y.-J. Pan
17:25 - 17:45 Special Riordan arrays with lattice path interpretations, G.-S. Cheon, H. Kim
17:50-18:10 Half-lattice paths and virasoro characters, O. B. Fournier, P Mathieu, T. A. Welsh

20:30 Banquet in Refugio Residence

**Tuesday 6 July**

**Chair session: Charalambos Charalambides**

9:00 - 9:20 Non directed lattice paths on different lattices, C. Banderier
9:25 - 9:45 On lattice paths and open problems in automata theory, C. Haase, J. Ouaknine, J. Worrall
9:50 - 10:10 Visits to level r by Dyck paths, C. Brennan, S. Mavhungu
10:15-10:35 Strings in Dyck paths, K. Manes, A. Sapounakis, I. Tasoulas, P. Tsikouras
10:40 – 11:10 Coffee break

11:10 - 11:30 Counting strings in Ballot paths, S. Sullivan
11:35 - 11:55 Flip graphs, hyperplane arrangements and tableaux, R. M. Adin, Y. Roichman
12:00 - 12:20 Asymptotics for walks in a Weyl chamber of type b with a free end point, T. Feierl
12:25 - 12:45 A generating function for totally symmetric plane partitions (TSPPs) with self-conjugate main diagonal, A. Blecher

12:50-14:20 Lunch

Chair session: Helmut Prodinger
14:20 - 14:40 Generating functions for bi-wall directed polygons, S. Feretic
14:45 -15:05 Generating functions of embedded trees and lattice paths, M. Kuba
15:10-15:30 Enumeration of specific classes of polycubes, J.M. Champarnaud, J.P. Dubernard, H. Jeanne

16:00-16:30 Coffee break

16:30-18:00 POSTER SESSION (Poster list at the end of this program)

19:00 Football Match
21:00 Typical Dinner in “Orto dei Pecci” (not included in the registration fee)

Wednesday 7 July

Chair session: Luis Shapiro
9:00-9:20 Bijective counting of involutive Baxter permutations, E. Fusy
9:25-9:45  On the number of cycles of the product of two cyclic permutations, R. Cori, M. Marcus, G. Schaeffer

9:50-10:10 Notes on the Inverse Motzkin Matrix, H. Niederhausen

10:15-10:35 Unrepetitive paths in Cayley digraphs and the repetition threshold, A. Carpi

10:40-11:10 Coffee break


11:35-11:55 Some remarks on Rothe numbers (aka generalized Catalan numbers), W. Panny

12:00-12:20 A representation theorem for holonomic sequences, T. Kotek, J.A. Makowsky

12:25-12:45 On Kemp's confluent q-Chu-Vandermonde hypergeometric distributions and the associated q-meixner orthogonal polynomials, A. Kyriakoussis, M. Vamvakari

12:50 Works closure

13:30 Lunch in “La finestra” Restaurant (not included in the registration fee)

POSTER SESSION

1. On a Kolmogorov-Smirnov test for r samples counting paths in alcoves of affine Weyl groups, W. Boehm, K. Hornik

2. Asymptotic behaviour for the Kemp's confluent q-Chu-Vandermonde hypergeometric distributions, A. Kyriakoussis, M. Vamvakari

3. Semi-online machine cover in under a grade of service provision, Y. Wu, Q. Yang

4. Generator sets for the alternating group, A. Rotbart

5. Some simple bijections involving lattice walks and ballot sequences, M. A.A. van Leeuwen

7. Some graphs in $C_{f2}$ based on f-coloring, A. Adiwijaya, O. Serra, A.N.M. Salman, D. Suprijanto, E.T. Baskoro
8. Discrete analytic functions in complex spaces and Taylor expansion, O. Danilov, A. Mednykh
9. Lattice based A – isomorphism and its applications, S.-E. Han
10. Boys-and-girls birthdays and Hadamard products, O. Bodini, D. Gardy, O. Roussel
11. Stochastic stability of maximal independent sets, L. Boncinelli, P. Pin
12. Permutations tiling the plane, A. Blondin-Massé, A. Frosini, S. Rinaldi, L. Vuillon