



EGC 2017 PROGRAM

Sunday, June 25, 2017

19:30 Guided visit to the historical center of Alicante
Followed by Tapas dinner

Monday, June 26, 2017

08:30 – 09:30 Registration

09:30 – 09:50 Official opening and opening remarks

10:00 – 11:00 Invited talk **Martin Henk**

11:00 – 11:30 Coffee Break

11:30 – 13:10

- ***Bishellable Drawings of K_n .***
Bernardo M. Ábrego, Oswin Aichholzer, Silvia Fernández Merchant, Dan McQuillan, Bojan Mohar, Petra Mutzel, Pedro Ramos, R. Bruce Richter and Birgit Vogtenhuber.
- ***On Book Crossing Numbers of the Complete Graph.***
Julia Dandurand, Silvia Fernández, Bernardo Ábrego, Yakov Sapozhnikov and Evgeniya Lagoda.
- ***On semi-simple drawings of the Complete Graph.***
Oswin Aichholzer, Florian Ebenführer, Irene Parada, Alexander Pilz and Birgit Vogtenhuber.
- ***On upward straight-line embeddings of oriented paths.***
Onur Cagirici, Leandro Casuso, Carolina Medina, Teresa Patiño, Miguel Raggi, Edgardo Roldán-Pensado, Gelasio Salazar and Jorge Urrutia.

13:10 – 15:30 Lunch.

15:30 – 16:45

- ***Computing Melodic Templates in Flamenco Singing.***
Sergey Bereg, José Miguel Díaz-Báñez, Nadine Kroher and Inmaculada Ventura Molina.
- ***Maximum Partial Sums of Random Sequences.***
Luis Evaristo Caraballo, Pablo Pérez Lantero and Inmaculada Ventura Molina.
- ***Maximum Box Problem on Probabilistic Points.***
Pablo Pérez Lantero and Carlos Seara.

16:45 – 17:00 Short Coffee Break

17:00 – 17:25

- ***Matching points with disks having a common intersection***
Clemens Huemer, Pablo Pérez Lantero, Carlos Seara and Rodrigo Silveira.

17:25 – 18:30 Business meeting.

Tuesday, June 27, 2017

10:00 – 11:00 Invited talk **Nancy Amato**

11:00 – 11:30 Coffee Break

11:30 – 13:10

- ***Covering orthotrees with guards and beacons.***
Israel Aldana Galván, José Luis Álvarez Rebollar, Juan Carlos Catana-Salazar, Jesús Nestaly Marin Nevárez, Erick Solis Villarreal, Jorge Urrutia and Carlos Velarde.
- ***On covering path orthogonal polygons.***
Catarina Ferreira and Ana Paula Tomas.

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- *Optimal coverage of a tree with multiple robots.*
Juan Carlos Catana-Salazar, Israel Aldana Galván, José Miguel Díaz-Báñez, Ruy Fabila Monroy, Marco A.Heredia, Frank Duque, Jorge Urrutia and Adriana Ramírez Viguera.
- *The uncovering-resilience of a synchronized multi-robot system.*
Sergey Bereg, Luis Evaristo Caraballo de La Cruz, José Miguel Díaz-Báñez and Mario Alberto López.

13:10 – 15:30 Lunch.

15:30 – 16:45

- *Computing Positively Weighted Straight Skeletons of Simple Polygons Using an Induced Line Arrangement.*
Günther Eder and Martin Held.
- *Fitting Voronoi diagrams revisited*
Belén Palop and Manuel Abellanas.
- *Strong Chromatic Illumination with α -floodlights and α -segments of Orthogonal Polygons and Polyhedra.*
Israel Aldana Galván, José Luis Álvarez Rebollar, Juan Carlos Catana-Salazar, Jesús Nestaly Marin Nevárez, Erick Solis Villarreal, Jorge Urrutia and Carlos Bruno Verlarde.

16:45 – 17:00 **Short Coffee Break**

17:00 – 17:50

- *The connectivity of the flip graph of hamiltonian paths of the grid graph.*
Frank Duque, Ruy Fabila Monroy, David Flores Peñaloza, Carlos Hidalgo Toscano and Clemens Huemer.
- *Location in maximal outerplanar graphs.*
Mercè Claverol, Alfredo García, Gregorio Hernández, Carmen Hernando, Montserrat Maureso, Mercè Mora and Javier Tejel.

19:30 Departure buses to the social dinner.

20:00 Social dinner.

Wednesday, June 28, 2017

10:00 – 11:00 Invited talk *Jean Cardinal*

11:00 – 11:30 **Coffee Break**

11:30 – 13:10

- *A finite procedure to construct 3-dimensional constant width bodies.*
Luis Montejano and Edgardo Roldán-Pensado.
- *Classification of empty lattice 4-simplices.*
Oscar Iglesias Valiño and Francisco Santos.
- *Order types of random point sets can be realized with small integer coordinates.*
Ruy Fabila Monroy and Clemens Huemer.
- *Borsuk number and the diameter graph for planar convex bodies.*
Antonio Cañete.

..... **Closing Remarks**

13:30 Lunch and departure.

