

Welcome



ECCO XXXII Conference, 30 May - 1 June 2019

St. Julian's (San Giljan, San Giuliano)

Malta

European Chapter in Combinatorial Optimization (ECCO)



- EURO Working Group of the *European Association of Operational Research Societies* ■
- Created in **1987** by **Catherine Roucairol, Alexander Rinnoy Kan, and Dominique de Werra** as a small group of European combinatorialists.
Today ECCO has about 1,500 members, and around 100 participants/meeting.
- All main fields are covered: operations management, logistics, production scheduling, location, allocation and distribution, network design, flexible manufacturing, metaheuristics, VLSI and computer design, polyhedral approaches to difficult problems, big data. ■
- Coordinated by Catherine Roucairol until 1996.

Coordinator: Silvano Martello

Board: Jacek Blazewicz, Alain Hertz, Paolo Toth, Van-Dat Cung ■

- St. Julian's Conference Organizer: **John Baptist Gauci** (**Chair** of the Program Committee and the Organizing Committee).
- Thanks are also due to Peter Borg, Josef Lauri, and Irene Sciriha. ■

Meetings

- Once/year, in Spring. Every fourth year, Joint Conference with the **CO Group (UK)**.
- Tradition of exciting locations:
- **1988-2003:** Paris, Venice, Barcelona, Dubrovnik (cancelled), Graz, Bruxelles, Milano, Poznan, Dublin, Tenerife, Copenhagen, Capri, Bonn, Lugano, Molde
- **Last 15 years:**
 - Beirut, June 2004
 - Minsk, June 2005
 - Porto, May 2006 (ECCO-CO)
 - Cyprus, May 2007
 - Dubrovnik, May 2008
 - Jerusalem, May 2009
 - Malaga, 2010 (ECCO-CO)
 - Amsterdam, 2011
 - Antalya, 2012
 - Paris, 2013
 - Munich, 2014 (ECCO-CO)
 - Catania, 2015
 - Budapest, 2016
 - Koper, 2017 (EURO/ORSC/ECCO)
 - Fribourg, 2018 (ECCO-CO)

Special issues

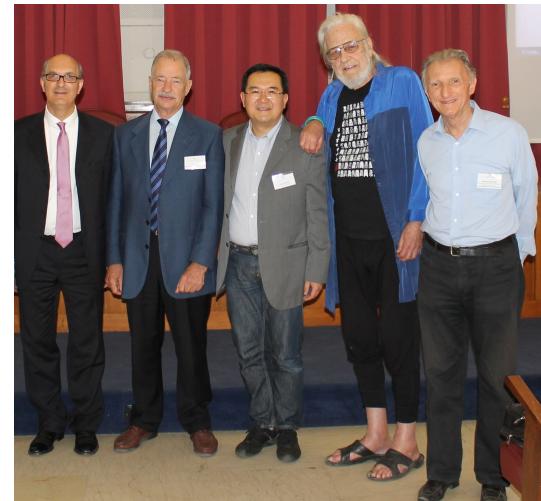
- July 94: EURO Summer Institute on Comb. Opt. *Eur. J . Oper. Res.* 1995.
- ECCO X: *Eur. J . Oper. Res.* 2000
- ECCO XI: *Eur. J . Oper. Res.* 2001
- ECCO XII: *Eur. J . Oper. Res.* 2002
- ECCO XIII: *Eur. J . Oper. Res.* 2002
- ECCO XIV: *Eur. J . Oper. Res.* 2005
- ECCO XV: *Eur. J . Oper. Res.* 2005
- ECCO XVI: *Eur. J . Oper. Res.* 2006
- ECCO XVIII: *Eur. J . Oper. Res.* 2008 ■
- ECCO XX: *Computational Optimization and Applications* 2011
- ECCO XXI: *J. Scheduling* 2011
- ECCO XXIII: *Annals of Operations Research* 2012
- ECCO XXIV: *Optimization* 2013 ■
- ECCO XXVI: *Discrete Applied Mathematics* 2015
- ECCO XXVII: *Discrete Applied Mathematics* 2017
- ECCO XXIX: *Discrete Applied Mathematics* 2018
- ECCO XXX: *Discrete Applied Mathematics* 2019 (in print)
- ECCO XXXI: *Discrete Applied Mathematics* (in preparation) ■
- ECCO XXXII: *Journal of Combinatorial Optimization* (will open soon) ■

Invited speakers

- At every conference, prestigious scholars present recent advances in relevant research fields.
- In recent years, we invited a number of “**Legends**” of Combinatorial Optimization:



- Munich, 2014: **David S. Johnson**



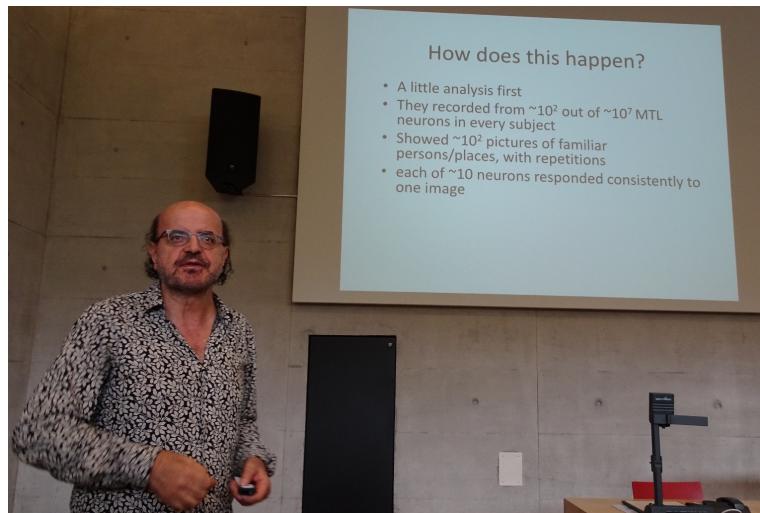
- Catania 2015: **Jack Edmonds**

Invited speakers (cont')

- Koper, 2017: **Bill Bixby**



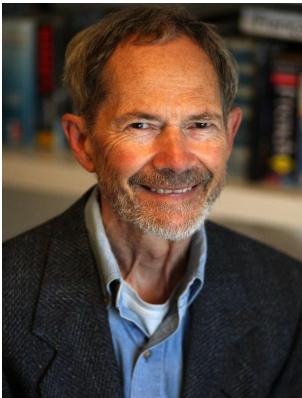
- Fribourg, 2018: **Christos H. Papadimitriou**



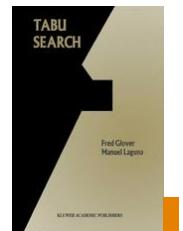


Enjoy St Julian's and ECCO XXXII

Invited speakers: the next legend



- St Julian's, 2019: **Fred W. Glover**
- Distinguished Professor, Emeritus, at the University of Colorado (Boulder);
- **514** publications. **17** publications in **2018**;
- one of the main creators of the area of **metaheuristics** (a name he coined);
- in 1986 he invented **Tabu search**;



- **8** Books. *Tabu Search* (with M. Laguna), almost **10,000** citations on Google Scholar
- **John Von Neumann Theory Prize** (1988); two pages of Distinctions, Awards & Prizes;
- Today's lecture: **Integrating Classical and Quantum Computing for Combinatorial Optimization Using the QUBO Model**
joint presentation with **Gary A. Kochenberger**, 2013 **Herbert A. Simon Award** (with Fred)