

# CALL FOR PAPERS AND SPECIAL SESSIONS

**WGSCO2018** - “Workshop on Graph Spectra, Combinatorics and Optimization”

**Aveiro, Portugal, January 25-27, 2018**

<http://wgSCO2018.web.ua.pt>

It is our pleasure to announce the WGSCO2018 “**Workshop on Graph Spectra, Combinatorics and Optimization**” on the occasion of the 65th Birthday of Prof. **Domingos M. Cardoso**, to be held at the University of Aveiro, Portugal, from January 25 to 27, 2018.

## **Aim and Scope**

The aim of WGSCO2018 is to bring together academic specialists and promote broad exchange of information and new developments in Spectral Graph Theory, Combinatorics and Optimization, and other related areas. During the Workshop we will commemorate the 65th birthday of Domingos M. Cardoso, who is a prominent Professor of the University of Aveiro.

## **Format of the Workshop**

The scientific program of the Workshop consists of Plenary talks by the Invited Speakers and 20-minute contributed talks. We kindly invite you to contribute to the scientific program of the Workshop by submitting an abstract or a Special Session and participating in the Workshop. All abstracts will be refereed by the members of the International Scientific Committee. The abstracts will be published electronically in the Book of Abstracts.

## **The topics of the Workshop**

The main topics are the Theory of Graph Spectra, Combinatorics and Optimization, but related topics like:

Algebraic Combinatorics, Algebraic Graph Theory, Algorithms and Computing Techniques, Combinatorial Optimization, Communications and Control Theory, Enumerative Combinatorics, Extremal Combinatorics, Graph Theory, Optimization in Graphs, Graph Spectra and applications, Linear Optimization, Networks, Nonlinear Optimization,

are also welcome.

## Special Issue

A special issue of [Discrete Applied Mathematics \(DAM\)](#) with full-length papers will be dedicated to the WGSCO2018. We invite the participants of the Workshop to submit their papers to the Special Issue. At least one of the authors of each accepted paper should be registered as a participant of the conference. All papers will be reviewed in accordance to the high standards of Discrete Applied Mathematics. The deadline for the submission of the full-length papers is May 31, 2018.

## Invited Speakers

Jerzy Szymański, University of Adam Mickiewicz, Poznan, Poland  
Jorge Orestes, New University of Lisbon, Portugal  
Nair Abreu, Federal University of Rio de Janeiro, Brasil  
Peter Rowlinson, University of Stirling, Scotland, UK  
Richard Brualdi, University of Wisconsin, Madison, Wisconsin, USA  
Slobodan Simić, Serbian Academy of Sciences and Arts, Serbia  
Tamás Terlaky, Lehigh University, Bethlehem, Pennsylvania, USA  
Vadim Lozin, University of Warwick, UK  
Willem Haemers, Tilburg University, The Netherlands

## Organizing committee

### Co-chairs:

Paula Carvalho, Sofia Pinheiro, Tatiana Tchemisova

### Members:

Carlos Luz, João Pedro Cruz, João Santos, Luís Filipe Castro, Milica Anđelić, Paula Rama

Email: [CIDMA-wgSCO2018@ua.pt](mailto:CIDMA-wgSCO2018@ua.pt)

## Important Dates

**Abstract Submission and Special Session Proposals :** September 30, 2017

**Notification of Acceptance:** October 15, 2017

**Early-Bird Registration:** October 30, 2017

**Later Registration:** January 05, 2018

**Conference:** January 25-27, 2018

## **International Scientific Committee**

Agostinho Agra, University of Aveiro, Portugal  
Andrey Sarychev, University of Florence, Italy  
Christopher Godsil, Waterloo University, Canada  
Dragan Stevanović, Serbian Academy of Sciences and Arts, Serbia  
Dragoš Cvetković, Serbian Academy of Sciences and Arts, Serbia  
Enide Andrade, University of Aveiro, Portugal  
Irene Sciriha Aquilina, University of Malta, Malta  
Joaquim Júdice, University of Coimbra, Portugal  
João Clímaco, University of Coimbra, Portugal  
José Fernando Oliveira, University of Porto, Portugal  
Julius Zilinskas, University of Vilnius, Lithuania  
Luís Gouveia, University of Lisbon, Portugal  
Maria Eugénia Captivo, University of Lisbon, Portugal  
María Robbiano, Universidad Católica del Norte, Chile  
Miguel Anjos, Polytechnique Montreal, Canada  
Ricardo L. Soto, Universidad Católica del Norte, Chile  
Steve Kirkland, University of Manitoba, Canada  
Vilmar Trevisan, Instituto de Matemática, UFRGS, Porto Alegre, Brazil  
Vladimir Bushenkov, University of Évora, Portugal  
Zoran Stanić, University of Belgrade, Serbia

**The call for papers and Special Session Proposals is open and your participation is very welcome!**

**All information at the workshop website: <http://wgsc2018.web.ua.pt>**

**Looking forward to meeting you in Aveiro!**

**The Organizing Committee of WGSCO2018**