



**IOBC**  
**WPRS**

*International Organisation for Biological and Integrated Control (IOBC)  
West Palaearctic Regional Section (WPRS)*

*Organisation Internationale de Lutte Biologique et Intégrée (OILB)  
Section Régionale Ouest Paléarctique (SROP)*

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Joint Meeting of the IOBC/WPRS Working Groups  
“Pheromones and other semiochemicals in IP”  
& “Integrated Protection of Fruit Crops”

**Merging pheromones and other semiochemicals with integrated fruit production**  
Current approaches and applications from research to field implementation in a changing environment



**PheroFIP 19**

**Lisbon**

**20-25 January 2019**

First circular



## Welcome note

Dear colleagues,

PheroFIP 19, the Joint Meeting of the IOBC/WPRS Working Groups “**Pheromones and other semiochemicals in integrated production**” and “**Integrated Protection of Fruit Crops**” (Subgroups Pome fruit arthropods and Stone fruits), will take place in **Lisbon** (Portugal), from **20 to 25 January 2019**. Forest Research Centre (CEF) together with Linking Landscape, Environment, Agriculture and Food Research Centre (LEAF), from the School of Agriculture (ISA), University of Lisbon will host the conference, in collaboration with Abreu Events, responsible for the technical secretariat.

The venue will take place in **Hotel Olisippo Oriente**, at Parque das Nações, a renovated area with modern architecture near Tagus river, in the eastern part of Lisbon, which was designed for hosting the last world fair of the 20th century, Expo 98. It is located not far from the airport, and about 25 minutes by metro from city center.

The theme of the conference will be “**Merging Pheromones and other semiochemicals with Integrated Fruit Production: current approaches and applications from research to field implementation in a changing environment**”. On the behalf of IOBC and the organization, we would like to invite you to come to Lisbon and actively participate, and share the results of your work. The conference aims at bringing together all involved in the study of Semiochemicals and Integrated Fruit Production, for presenting and discussing the latest research and technological advances that may contribute to find effective and sustainable solutions to deal with phytosanitary challenges under a changing environment. It will provide an opportunity for exchanging information and ideas, as well as strengthening common research and collaboration and stimulating new interactions, among participants.

English will be the official language of the meeting. Proceedings with all contributions, both oral and poster presentations will be published as full papers or extended abstracts in the IOBC wprs Bulletin.

Please post this circular and pass it to colleagues that may be interested in attending the conference.

We look forward to seeing you in Lisbon,

**José Carlos Franco**  
**Manuela Branco**  
Conference chairs

**Jürgen Gross**  
Convenor  
Semiochemicals WG

**Claudio Ioriatti**  
Convenor  
IP Fruit Crops WG

ISA, University of Lisbon,  
PORTUGAL

Julius Kühn Institut (JKI),  
Federal Research Centre for  
Cultivated Plants,  
Dossenheim, GERMANY

Center for Technology Transfer,  
Fondazione Edmund Mach,  
ITALY

The organising committee is integrated with the IOBC subgroup convenors **Petros Damos** (Aristotle University of Thessaloniki, Greece) and **Tim Beliën** (Department of Zoology, pcfuit, Belgium)



## Venue

The meeting will take place in **Hotel Olissippo Oriente**, at Parque das Nações, Lisbon. Located near Tagus river, in the eastern part of Lisbon, not far from the airport, **Parque das Nações** used to be an ugly industrial area until it was chosen as the site to host the last world fair of the 20th century, Expo 98. It has since been reborn into a futuristic area, home to some wonderful examples of modern architecture. One of them is *Oriente Station*, a landmark with the signature of Santiago Calatrava, while Pritzker-award winning architect Alvaro Siza Vieira is the man behind the fantastic and futuristic *Pavilhão de Portugal*. Many of the other constructions have an ocean theme (the twin towers São Gabriel and São Rafael resemble ships and are named after two of Vasco da Gama's vessels), and there is also one of the world's most spectacular aquariums nearby, *Oceanário*. Everywhere you turn is a glimpse of the river looking like an ocean crossed by Europe's longest bridge (*Vasco da Gama Bridge*), water volcanos erupting, wave-shaped benches. Parque das Nações is a side of Lisbon contrasting with its old historic center.



### Information on IOBC/WPRS and the working group:

If you want to find out more about the International Organization for Biological and Integrated Control of Noxious Animals and Plants (IOBC), you may look up the website of Global IOBC under <http://www.iobc-global.org/>. For information on the West Palaearctic Region Section you may visit the website at <http://www.iobc-wprs.org/>. Information on the expert group “Pheromones and other semiochemicals in integrated production” you will find at [http://www.iobc-wprs.org/expert\\_groups/05\\_wg\\_pheromones.html](http://www.iobc-wprs.org/expert_groups/05_wg_pheromones.html). Information on the expert group “Integrated protection of fruit crops” you will find at [https://www.iobc-wprs.org/expert\\_groups/02\\_wg\\_fruit\\_crops.html](https://www.iobc-wprs.org/expert_groups/02_wg_fruit_crops.html).

### How to become an IOBC member

Go to [http://www.iobc-wprs.org/members/membership\\_form\\_new\\_member\\_en.cfm](http://www.iobc-wprs.org/members/membership_form_new_member_en.cfm)



## Preliminary program

<b>Sunday,</b>	<b>20<sup>th</sup> January</b>	Registration and welcome cocktail
<b>Monday,</b>	<b>21<sup>st</sup> January</b>	Oral and poster sessions
<b>Tuesday,</b>	<b>22<sup>nd</sup> January</b>	Oral and poster sessions
<b>Wednesday,</b>	<b>23<sup>rd</sup> January</b>	Mid-Conference excursion
<b>Thursday,</b>	<b>24<sup>th</sup> January</b>	Oral and poster sessions & social dinner
<b>Friday,</b>	<b>25<sup>th</sup> January</b>	Oral and poster sessions, business meeting & closing
<b>Saturday,</b>	<b>26<sup>th</sup> January</b>	2-days Post-conference excursions
<b>Sunday,</b>	<b>27<sup>th</sup> January</b>	

### We will address the following main topics:

- Chemical ecology of arthropod pests and their natural enemies
- Chemical ecology of insect pests in stored food
- Semiochemical-based pest management tactics (e.g. mating disruption, mass trapping, attract and kill, push-and-pull)
- Applying semiochemicals in the monitoring and manipulation of parasitoids and predators
- New developments in pest monitoring methods
- Emerging phytosanitary problems in fruit crops under a changing environment
- Applied Biotremology: a new discipline for pest management. Vibrational signals as semiophysicals
- Invasive pests: a challenge for IPM
- Biological control of fruit crop pests and diseases
- Integrated protection of fruit crops
- Genetics in pest control
- Minimizing residues on fruits
- Knowledge transfer: from the laboratory to the field
- Precision Farming and Precision Pest Management Decision support systems for IPM

## Important dates

Deadline for submission of abstracts:	30 <sup>th</sup> September 2018
Deadline for registration ‘early rate’:	30 <sup>th</sup> September 2018
Deadline for submission of full papers:	30 <sup>th</sup> March 2019



## Scientific Committee

- Ally Harari (Agricultural Research Organization, Israel)
- Andrea Lucchi (University of Pisa, Italy)
- António Mexia (University of Lisbon, Portugal)
- Claudio Ioriatti (Center for Technology Transfer, Fondazione Edmund Mach, Italy)
- Greg Krawczyk (Pennsylvania State University, USA)
- Herman Helsen (Wageningen Plant Research, The Netherlands)
- Howard Thistlewood (Summerland Research and Development Centre, Agriculture and Agri-Food Canada)
- José Carlos Franco (University of Lisbon, Portugal)
- Jürgen Gross (Julius Kühn-Institut, Federal Research Centre for Cultivated Plants, Germany)
- Kerstin Krüger (University of Pretoria, South Africa)
- Lucía Escudero-Colomar (IRTA, Spain)
- Manuela Branco (University of Lisbon, Portugal)
- Marco Tasin (Swedish University of Agricultural Science)
- Maria Rosa Paiva (Universidade Nova de Lisboa, Portugal)
- Michele Fountain (NIAB East Malling Research, UK)
- Nikolaos T. Papadopoulos (University of Thessaly, Greece)
- Petros Damos (Aristotle University of Thessaloniki, Greece)
- Thomas Thomidis (Alexander TEI of Thessaloniki, Greece)
- Tim Beliën (Department of Zoology pcfuit vzw, Belgium)

## Organising Committee

### IOBC Coordination

- Claudio Ioriatti (Center for Technology Transfer, Fondazione Edmund Mach, Italy)
- Jürgen Gross (Julius Kühn-Institut, Federal Research Centre for Cultivated Plants, Germany)

### Local organization

- Ana Paula Ramos (LEAF-ISA, University of Lisbon, Portugal)
- André Garcia (CEF-ISA, University of Lisbon, Portugal)
- Catarina Mourato (ISA-University of Lisbon, Portugal)
- Elisabete Figueiredo (LEAF-ISA, University of Lisbon, Portugal)
- Elsa Borges da Silva (CEF-ISA, University of Lisbon, Portugal)
- Gonçalo Duarte (LEAF-ISA, University of Lisbon, Portugal)
- José Carlos Franco (CEF-ISA, University of Lisbon, Portugal)
- Manuela Branco (CEF-ISA, University of Lisbon, Portugal)
- Vera Zina (CEF-ISA, University of Lisbon, Portugal)



## Registration

Registration is made through the conference website and is required to attend the scientific sessions and social events. Submitted abstracts will be accepted only after full registration. You will receive an e-mail confirmation after registration.

	<b>Early registration</b> (before 30 <sup>th</sup> September 2018)	<b>Late registration</b> (after 30 <sup>th</sup> September 2018)
IOBC Member	350.00 €	450.00 €
IOBC Non-member*	470.00 €	570.00 €
MSc and PhD Student**	210.00 €	310.00 €

\* includes a free one-year membership to IOBC-WPRS

\*\*A certificate confirming student status is required to be submitted as a scanned copy to the Secretariat office of the conference

### Full registration fee includes:

- Welcome reception event
- Official conference program, book of abstracts and participant's package
- All lunches and mid-session coffee/refreshments breaks
- Mid-conference excursion

**Social dinner:** 50.00 €

**Accompanying person:** 80.00 €

- Welcome reception
- Mid-conference excursion

## How to submit a manuscript

The presented scientific contributions will be published as conference proceedings in the IOBC-WPRS Bulletin and delivered on the website of IOBC-WPRS. Authors should prepare their manuscripts following IOBC guidelines (see **instructions below**). In order to allow good and uniform reproduction, all manuscripts must be submitted in **MS Word**. To facilitate the preparation of manuscripts a template can be downloaded from [https://www.iobc-wprs.org/pub/bulletins/IOBC-WPRS\\_bulletin\\_manuscript\\_template.docx](https://www.iobc-wprs.org/pub/bulletins/IOBC-WPRS_bulletin_manuscript_template.docx).



**Language:** The papers should be written in English. The content should be clear, concise, and has been revised by a native or experienced English speaker.

## Type of manuscripts

- **Extended abstracts:** authors should submit an extended abstract (maximal 2 pages), both for poster and oral presentations
- **Full papers:** maximal 4 pages (preferred)

## Deadlines

- **Extended abstracts:** should be submitted **before 30<sup>th</sup> September 2018**.
- **Full papers:** should be submitted **before 30<sup>th</sup> March 2019**.

## Instructions: full paper

### The papers should consist of:

- Abstract
- Key words
- Introduction
- Material and methods
- Results and discussion (separated or combined)
- Acknowledgements (if necessary)
- References

### Instructions for the papers:

1. Paper-format: A4
2. Left and right margins of the text: 2.5 cm  
Upper margin: 3.0 cm  
Lower margin: 2.5 cm  
This results in a printing area of 16 cm x 23.7 cm
3. Line spacing: 1
4. Font: “Times New Roman” or “Times”
5. All titles and subtitles should be flush left
6. Font of the title: 15 pt, bold



7. Font of the abstract: 11 pt
8. Font of subtitles (sections): 13 pt, bold
9. Font of the running text: 12 pt (except titles and abstract)
10. No hyphenation in the text
11. Justification of the text
12. Make sure that the first lines of all paragraphs (except for the paragraph that follows a title) are indented with a [Tab] command (0.8 cm). Do not use spaces instead of tabs and indents. Do not repeatedly use Standard-Tab stops
13. Scientific names of plants and animals in Italics
14. The authors' names should be typed in the normal font (not in capitals or any other face, not bold) in the text as well as in the “References”
15. Layout as shown in the template
16. Do not number the pages; the page numbering is done when the bulletins are being compiled

## Tables & figures

1. Incorporate tables and figures into the manuscript. Make sure that they are not linked to a file on your own computer, which makes them disappear in the manuscript when it is sent away
2. Two free lines have to precede and follow each figure or table
3. Make your tables with the [Table]-function. Do not use repeated [Standard]-Tab's or spaces  
Legends should be mentioned above the tables and under the figures. In the figures and tables the smallest font should be 10 pt. Smaller fonts may become unreadable  
Tables and figures should be centered
4. To differentiate between parts of a diagram or between curves in a figure, use clearly different colours or shading in different patterns. Make sure that the patterns as well can be clearly discerned from each other.  
Please avoid in the figures large uniform black or grey areas, fill out the columns in a figure with a pattern or a colour
5. Coloured photographs are welcome, but they shouldn't require too much memory capacity (not more than 1 MB each)  
The figures, too, should not require too much memory capacity.
6. If they need more than 1 MB, they will often have to be downsized which may be followed by a lack of quality

## References

For journal abbreviations use the Web of Science list:

[http://images.webofknowledge.com/WOK46/help/WOS/A\\_abrvjt.html](http://images.webofknowledge.com/WOK46/help/WOS/A_abrvjt.html)





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If you cite authors in the text, please order them according to the date of publication, first dates first, e.g. (Erwin & Ribeiro, 1996; Kuldau & Yates, 2000; McCracken et al., 2003), or “... Erwin & Ribeiro (1996) and McCracken et al. (2003) have shown...”

The references are written in Times Roman 12 pt with hanging indents by 0.8 cm in the first line. References are listed alphabetically. In the case of several references by the same author, give single-author references first, e.g. Smith (1996) before Smith et al. (1994), but Smith (1993) before Smith (1994). Please follow the examples given below for journal articles, book chapters and entire books and the examples in the bulletin manuscript.

### **Journal**

McCracken, A. R., Berrie, A., Barbara, D. J., Locke, T., Cooke, L. R., Phelps, K., Swinburne, T. R., Brown, A. E., Ellerker, B. & Langrell, S. R. H. 2003: Relative significance of nursery infections and orchard inoculum in the development and spread of apple canker (*Nectria galligena*) in young orchards. *Plant Pathol.* 52: 553-566.

### **Book chapter**

Kuldau, G. A. & Yates, I. E. 2000: Evidence for *Fusarium* endophytes in cultivated and wild plants. In: *Microbial Endophytes* (eds. Bacon, C. W. & White, J. F.): 85-117. Marcel Dekker, New York.

### **Book**

Erwin, D. C. & Ribeiro, O. K. 1996: *Phytophthora Diseases Worldwide*. APS Press, St. Paul, USA.

### **URL**

Beckleheimer, J. 1994: How do you cite URLs in a bibliography? [WWW document] URL  
<http://www.nrlssc.navy.mil/meta/bibliography.html>. Cited 20 Apr. 2012. [font: 12 pt, indent second and following lines: 0.8 cm]

### **Online Journal**

Pérez, J., Rojas, J. C., Montoya, P., Liedo, P., González, F. J. & Castillo, A. 2012: Size, shape and hue modulate attraction and landing responses of the braconid parasitoid *Fopius arisanus* to fruit odour-baited visual targets. *BioControl* doi:10.1007/s10526-011-9416-0

Note: The doi is reserved for journals that appear only online.

### **IOBC-WPRS Bulletin**

Sigsgaard, L., Vogt, H. & Weintraub, P. G. 2011: Voices from vice-presidents of the IOBC-WPRS. *IOBC-WPRS Bull.* 57: 123-456. [note: before Volume 30, 2007, the issue number must be included, e.g. 30(1): 12-15.]



## Instructions: extended abstract

### **For extended abstracts (max 2 pages), follow the instructions for manuscripts:**

1. Paper-format: A4
2. Left and right margins of the text: 2.5 cm  
Upper margin: 3.0 cm  
Lower margin: 2.5 cm  
This results in a printing area of 16 cm x 23.7 cm
3. Line spacing: 1
4. Font: “Times New Roman” or “Times”
5. Font of the extended abstract, key words etc.: 12 pt
6. Font of the title: 16 pt, bold
7. Font of subtitles (References, key words, acknowledgements...): 14 pt, bold
8. No hyphenation in the text
9. Justification of the text
10. Make sure that the first lines of all paragraphs (except for the paragraph that follows a title) are indented with a [Tab] command (0.8 cm). Do not use spaces instead of tabs and indents. Do not repeatedly use Standard-Tab stops
11. Scientific names of plants and animals in Italics
12. The authors’ names should be typed in the normal font (not in capitals or any other face, not bold) in the text as well as in the “References” (if appearing in the abstract)
13. If references are mentioned in the extended abstract, they must be listed under “References”
14. Key words should be mentioned, in a distance of 2 lines to the text

### **Acceptation of manuscript**

The organizing committee will review the abstracts and notify the authors once the presentation form (oral/poster) has been determined.

### **Registration**

The presenting author must be a registered participant. Please note that the presenting author is not automatically registered by submitting an abstract. Regular registration is obligatory and binding and implies payment of the registration fee.



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## Accommodation

The list of recommended hotels and rates, as well as instructions for hotel reservation is available in the web site of the conference: <https://www.isa.ulisboa.pt/cong/iobc2019>

## Climate

The climate is Mediterranean. Winters in Lisbon are mild. It has one of the warmest winters of Europe. In January, the temperature has an average low of 8°C and an average high of 15°C. The average rainfall is 100 mm.

## General information

### Venue

Hotel Olisippo Oriente  
Av. D. João II, 32 - Parque das Nações,  
Lisbon, PORTUGAL

### Hosting Societies

International Organisation for Biological  
and Integrated Control, West Palaearctic  
Regional Section (IOBC-WPRS)

### Hosting Institutions

Forest Research Centre (CEF) and Linking  
Landscape, Environment, Agriculture and  
Food Research Centre (LEAF), from the  
School of Agriculture (ISA), University of  
Lisbon

### Technical Secretary

Abreu Events,  
Av. 25 de Abril, n.º 2,  
2799-556 Linda-a-Velha, PORTUGAL  
Tel.: + 351 21 415 61 21  
Madalena Almeida  
e-mail: [madalena.almeida@abreu.pt](mailto:madalena.almeida@abreu.pt)  
[www.abreuevents.com](http://www.abreuevents.com)

### Convenors

Semiochemicals IOBC WG  
  
Jürgen Gross  
Julius Kühn Institut (JKI), Federal  
Research Centre for Cultivated  
Plants, Dossenheim, GERMANY

### IP Fruit Crops IOBC WG

Claudio Ioriatti  
Center for Technology Transfer,  
Fondazione Edmund Mach,  
ITALY

Tim Belien  
Department of Zoology  
pcfruit vzw  
BELGIUM

Petros Damos  
Aristotle University of  
Thessaloniki  
GREECE

### Conference Chairs

José Carlos Franco  
Manuela Branco  
School of Agriculture,  
University of Lisbon, PORTUGAL  
e-mail: [iobc2019@isa.ulisboa.pt](mailto:iobc2019@isa.ulisboa.pt)

### IOBC Liaison officers

Andrea Lucchi  
University of Pisa, Department of  
Agriculture, Food and Environment,  
Pisa, ITALY

Heidrun Vogt  
Julius Kühn-Institut (JKI), Federal  
Research Centre for Cultivated Plants,  
Dossenheim, GERMANY

Conference web site: <https://www.isa.ulisboa.pt/cong/iobc2019>

