

# 2<sup>nd</sup> Institute of Space Sciences Summer School

# GRAVITATIONAL WAVE ASTRONOMY

Institute of Space Sciences  
July 2-6, 2018  
Campus UAB  
Bellaterra (Barcelona) - Spain

[www.ice.csic.es/summer2018](http://www.ice.csic.es/summer2018)

## Lecturers:

- Theoretical Foundations - Carlos F. Sopuerta (ICE)
- GW Detection - Miquel Nofrarias (ICE)
- GW Source Modelling - Ulrich Sperhake (Cambridge)\*
- GW Data Analysis - Alicia Sintès (Mallorca, UIB)
- GW Astrophysics - Pau Amaro-Seoane (ICE)
- Electromagnetic Counterparts - Matt Benacquista (NSF)\*
- Relativistic Stellar Dynamics - Xian Chen (Beijing, CAS)
- Neutron Stars and Black Hole - Nanda Rea (ICE)
- The Galactic Centre and GWs - Rainer Schödel (IAA, Granada)
- Cosmology and GWs - Jaume Garriga (ICCUB)\*

\* To be confirmed

## Scientific Organizers:

P. Amaro-Seoane - L. Gesa - M. Hernanz - M. Nofrarias - C.F. Sopuerta (Chair) -  
A. Serenelli - D.F. Torres (ICE Director)

**Logistics:** N. Cortés

Institute of  
Space Sciences



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## Institute of Space Sciences (CSIC-IEEC)

2<sup>nd</sup> Institute of Space Sciences Summer School:  
Gravitational Wave Astronomy

Bellaterra (Barcelona) - 2-6 July 2018

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The Institute of Space Sciences (Institut de Ciències de l'Espai - ICE) is organizing its 2<sup>nd</sup> Summer School on "Gravitational Wave Astronomy" that will be held at the Institute, located at the Campus of the Universitat Autònoma de Barcelona, in Bellaterra, only 20kms from Barcelona, from July 2nd to 6th 2018.

The School program covers most aspects of Gravitational Wave Astronomy, from the detection technology to the astrophysics, cosmology and fundamental physics that we can do with gravitational wave detections and their electromagnetic counterparts.

The Institute of Space Sciences will welcome around 30 **Master and Doctoral students** to attend the Summer School: they will broaden their knowledge on this exciting field as well as get in touch with the other research groups working at the Institute.

Information and application forms can be found at  
<http://www.ice.csic.es/summer2018>

REGISTRATION is open starting February 5th, 2018 and will close on April 2nd, 2018. Acceptance of participants will be announced on April 23rd, 2018. There is a 50 € registration fee for the School.

**A number of partial and full studentships will be available.**

Additional information can be requested to [summer2018@ice.csic.es](mailto:summer2018@ice.csic.es)

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### Lecturers and topics

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## **Organizing Committee @ ICE-CSIC & IEEC**

- P. Amaro-Seoane (ICE-CSIC & IEEC)
- M. Nofrarias (ICE-CSIC & IEEC)
- C.F. Sopena (Chair, ICE-CSIC & IEEC)
- L. Gesa (ICE-CSIC & IEEC)
- M. Hernanz (ICE-CSIC & IEEC)
- A. Serenelli (ICE-CSIC & IEEC)
- D. Torres (ICE Director, ICE-CSIC & IEEC)
- N. Corts (ICE-CSIC & IEEC)