

## Research Programme on Moduli Spaces

# SCHOOL AND WORKSHOP ON NEW TRENDS IN HIGGS BUNDLE THEORY

ICMAT (Madrid, Spain)  
12 -16 November 2018

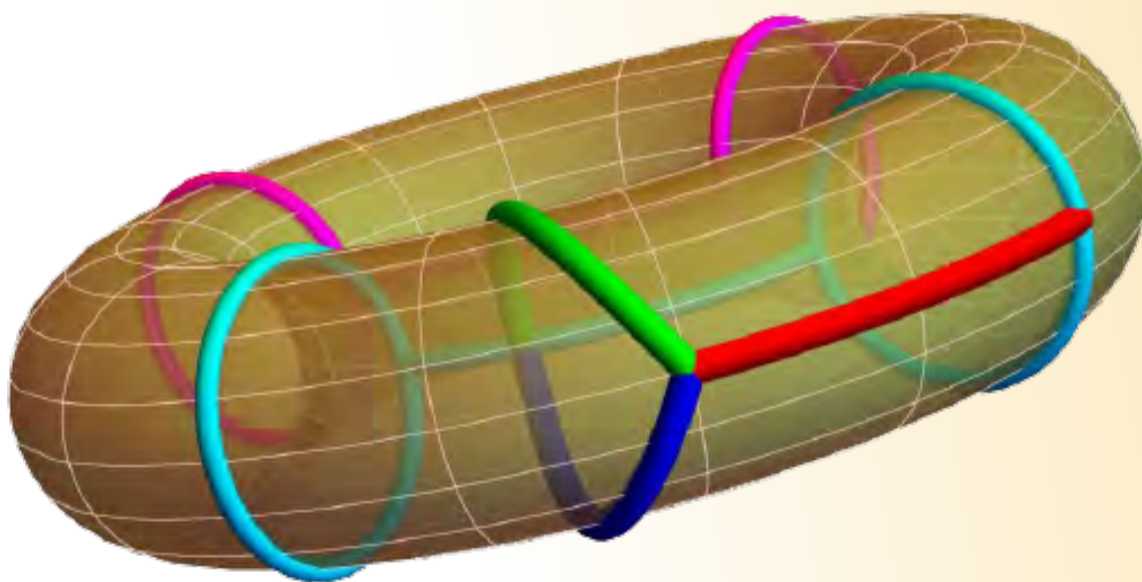
### Mini-course:

**Nigel Hitchin** (Oxford): *Higgs bundles and mirror symmetry*

- Lecture 1. Hodge theory, abelian and non-abelian
- Lecture 2. Mirror symmetry and Langlands duality
- Lecture 3. Hyperholomorphic bundles

### Workshop speakers:

**Olivier Biquard** (ÉNS, Paris)  
**Lucas Branco** (MPIM Bonn)  
**Ugo Bruzzo** (SISSA, Trieste)  
**Brian Collier** (Maryland)  
**Emilio Franco** (Porto)  
**Sergei Gukov** (Caltech)  
**Georgios Kydonakis** (Strasbourg)  
**Qionglin Li** (Nankai)  
**André Oliveira** (Porto & UTAD)  
**Ana Peón-Nieto** (Genève)  
**Junho Peter Whang** (MIT)  
**Carlos Simpson** (Nice)  
**Jan Swoboda** (München)  
**Alexander Thomas** (Strasbourg)



### Organizing committee:

**Luis Álvarez-Cónsul** (ICMAT-CSIC)  
**Steven Bradlow** (Urbana-Champaign)  
**Xiuxiong Chen** (Stony Brook)  
**Mario García-Fernández** (ICMAT-UAM)  
**Óscar García-Prada** (ICMAT-CSIC)  
**Tomás L. Gómez** (ICMAT-CSIC)

### Scientific committee:

**Simon Donaldson** (Imperial College & Stony Brook)  
**Nigel Hitchin** (University of Oxford)

<https://www.icmat.es/RT/2018/RPMS/hbt.php>