

# International Workshop on Non-Hermitian Photonics in Complex Media: PT-symmetry and beyond

16-18 June 2016, Heraklion, Crete

## Workshop Scope

The focus of this workshop will be on a wide range of recent developments at the forefront of research in the area of parity-time (PT) symmetric Optics, and in general systems that contain gain and loss. The workshop aims of bringing together leading experts in the area, as well as, junior scientists and graduate students and discuss the present and future of the physics and engineering of non-Hermitian Photonics.

### Topics of the workshop include:

Parity-Time (PT) symmetric Optics | Exceptional Point physics | Symmetry breaking in complex lasers | Gain and loss engineering | Non-Hermitian dynamics in waveguides, cavities and photonic lattices | Non-Hermitian metamaterials and plasmonics | Topological effects in non-Hermitian and PT systems

## Abstract Submission

Abstracts for presentations may be submitted until May 5, 2016. <http://qcn.physics.uoc.gr/nhp2016/>

## Location

The workshop will take place in downtown Heraklion, at ATLANTIS Hotel. <http://www.theatlantishotel.gr/>



## Invited Speakers

C. Bender, **Washington University, St. Louis, USA**  
H. Benisty, **University of Paris-Sud, France**  
D. Brody, **Brunel University London, UK**  
D. N. Christodoulides, **CREOL-University of Central Florida, USA**  
R. El-Ganainy, **Michigan Technological University, USA**  
L. Ge, **College of Staten Island, CUNY, USA**  
E. M. Graefe, **Imperial College, London, UK**  
H. Jones, **Imperial College, UK**  
Y. Kominis, **National Technical University of Athens, Greece**  
T. Kottos, **Wesleyan University, Connecticut, USA**  
N. Lazarides, **University of Crete, Greece**  
M. Lukovic, **Swiss Federal Institute of Technology (ETH) Zurich**  
A. Lupu, **University of Paris-Sud, France**  
A. Mostafazadeh, **Koc University, Turkey**  
Z. Musslimani, **Florida State University, USA**  
S. Ozdemir, **Washington University in St. Louis, USA**  
M. Rechtsman, **Penn-State, USA**  
S. Rotter, **TU-Wien, Austria**  
H. Schomerus, **Lancaster University, UK**  
M. Segev, **Technion, Israel**  
O. Shramkova, **University of Crete, Greece**  
A. D. Stone, **Yale University, USA**  
J. Wiersig, **Otto-von-Guericke University of Magdeburg, Germany**



## Scientific and Organizing Committee

Konstantinos Makris, **CCQCN, University of Crete**  
Georgios Tsironis, **CCQCN, University of Crete**



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