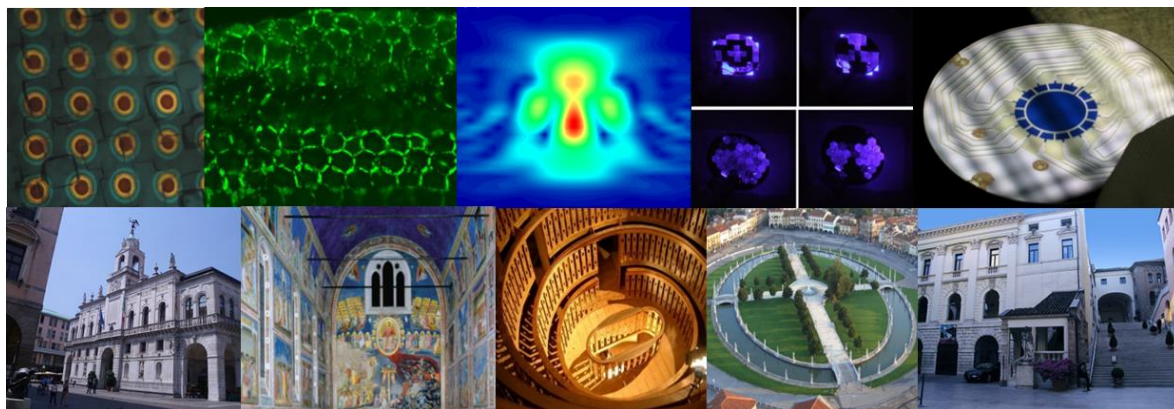




AOIM

X International Workshop on Adaptive Optics
for Industry and Medicine
CNR-Institute of Photonics, Padova, Italy, 15-19 June 2015



10th International Workshop on Adaptive Optics for Industry and Medicine

15-19 June 2015

Sala del Paladin, Moroni Palace,
Padova, Italy

<http://aoim.pd.ifn.cnr.it/>

Enquiries:

stefano.bonora@dei.unipd.it



Programme Chair:

Stefano Bonora (Italy)

Scientific Organising Committee:

Pablo Artal (Spain), Chris Dainty (UK),
Ulrich Wittrock (Germany), Alexis
Kudryashov (Russia), Gordon Love (UK),
Sergio Restaino (USA), Andrew Forbes
(South Africa)

Local Committee:

Sandra Perazin, Gianluca Rossi, Cinzia Di
Celmo, Luca Poletto, Antonio Lucianetti
(Hilase)

Important dates:

26th August 2014: 1st call

28 Feb 2015: Abstract due

30 March 2015: Registration for
authors

15 April 2015: Early bird
registration

Topics will include:

Wavefront sensing, Wavefront
correction devices, Control systems
and strategies, Complete adaptive
optics systems, Image sharpening,
Applications of adaptive optics:
microscopy, lasers, com-
munications, vision science,
Special session on commercial
products.



School of Adaptive Optics

15 June 2015



X International Workshop on Adaptive Optics
for Industry and Medicine
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Adaptive Optics School: 15th June 2015

Sala del Paladin, Moroni Palace, Padova, Italy

<http://aoim.pd.ifn.cnr.it/adaptive-school>

Adaptive Optics school registration fee: 100Euros

The School will offer tutorial lectures by international experts on topics related to the workshop. The lectures will be pitched at a level suitable for students and researchers who are new to the field and wish to learn the basics in a short space of time.

Enquiries to Stefano Bonora (School chair)

stefano.bonora@dei.unipd.it



Programme:

1. Introductory lectures

- (i) Basics of AOs and adaptive control – C.Dainty
- (ii) Basics of wavefront sensing – S.Restaino
- (iii) Basics of deformable mirrors – U.Wittrock
- (iv) Basics of liquid crystals and their use in AO – G.Love
- (v) Adaptive optics control – C.Paterson -

2. Introductory lectures on applications in medicine and health

- (i) Adaptive Optics in Vision –P.Artal
- (ii) In vivo imaging with Adaptive Optics - R.Zawadzki

3. Introductory lectures on current state-of-the-art AO systems

- (i) Adaptive Optics in microscopy – M.Booth
- (ii) Multi conjugate Adaptive Optics and 3D wavefront sensing - R.Ragazzoni
- (iii) Adaptive Optics ultrahigh power lasers – A.Kudryashov
- (iv) Single photon/quantum control with SLMs and AOs – A.Forbes

4. Laboratory activities

The laboratory activities will be organized in collaboration with the sponsors

