Preface

The Tenth International Workshop on Adaptive Optics for Industry and Medicine took place in Padova, Italy from June 15-19, 2015. The meeting was attended by about 100 participants. The meeting also had a one day Adaptive Optics School on June 15 and a small exhibition with 14 companies participating. The Workshop is at the tenth edition and follows the ones held in: Shatura (Russia, 1997), Durham (UK), Albuquerque (USA), Muenster (Germany), Beejing (China), Galway (Ireland), Shatura (Russia), Murcia (Spain) and Cape Town (South Africa).

Adaptive Optics started its diffusion in astronomy in the late 80s thanks to its capability to improve the image quality of terrestrial telescopes. Since then Adaptive Optics has been developing and nowadays is successfully used in many scientific and industrial applications. In the last few years, adaptive optics has been rapidly changing thanks to the introduction of adaptive lenses, new control strategies and integrated fast electronics that have made adaptive optics compact, more practical and cheaper. The impact of these advancements can be observed by the presence of many companies at this workshop and by their product line that is not limited to devices but extended to complete systems oriented to specific applications. Microscopy, ophthalmology, high power laser systems and other new applications can now exploit adaptive optics at a reasonable price.

The organization of an international Workshop is an important honor and at the same time a big effort. I would like to express my deep gratitude to the scientific committee for choosing Padova for the organization of this Workshop and for its support: Pablo Artal, Chris Dainty, Andrew Forbes, Alexis Kudryashov, Gordon Love, Sergio Restaino, and Ulrich Wittrock. I would also like to remember the invaluable assistance of the local committee, Sandra Perazin, Cinzia Di Celmo and Gianluca Rossi and my students who served as volunteers Gianluca Dalle Rive, Chiara Nardin and Carlo Rigoni.
The Workshop took place in the beautiful Sala Paladin of the Padova City Hall thanks to the support of the Padova city council.
In addition, I would like to remark the importance of the participation of our sponsors that gave us financial support: ONRG (Office of Naval Research Global), Alpao, Phasics, Boston Micromachines, Iris AO, Spot Optics, NightN, Hilase, Thorlabs, Fraunhofer IOF, Voptica, Pecchioli Research, Light Trans, Holoeye, Adaptica and Optocraft. The Workshop was also supported by Galileo Scientific Park, VIMM Foundation for Advanced

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I hope that many people reading this proceeding will participate to the next AOIM Workshop.

Stefano Bonora

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