

# COSMOLOGY AND FUNDAMENTAL PHYSICS WITH CURRENT AND FUTURE ESO FACILITIES

3<sup>rd</sup> Azores School  
on Observational  
Cosmology

5<sup>th</sup> Azores International  
Advanced School in  
Space Sciences

27 Aug. – 02 Sept. 2017  
Angra do Heroísmo  
Azores, Portugal

A hands-on school to prepare the next generation of astrophysicists for the quest for the new physics responsible for the dark universe, in the context of current and forthcoming ESO facilities.

#### LIST OF LECTURERS

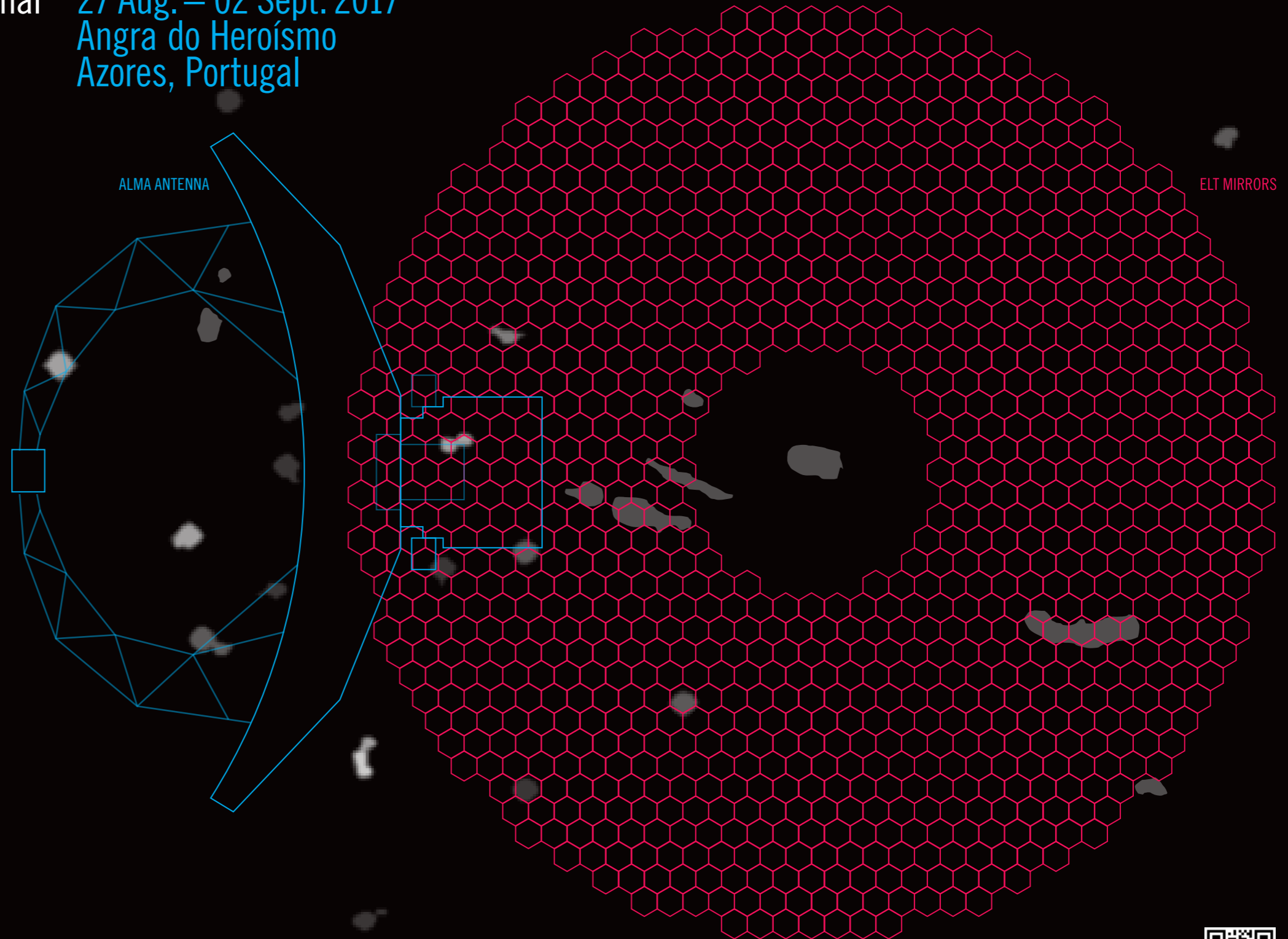
**Elisabetta Caffau** / Paris: BBN, Population III stars  
**Massimo Dall'Ora** / Napoli: H0 and age of the universe, Cosmic distance ladder  
**Paulo Freire** / Bonn: Strong gravity tests  
**Bruno Leibundgut** / ESO: Supernovas as cosmology probes  
**Joe Liske** / Hamburg: Galaxy evolution, Redshift drift  
**Carlos Martins** / Porto: Theoretical context  
**Paolo Molaro** / Trieste: Cosmology with Damped Lyman-alpha galaxies  
**Paolo Padovani** / ESO: ESO facilities, The ELT  
**Laura Pentericci** / Roma: End of dark ages, reionization  
**Matteo Viel** / Trieste: IGM tomography & galaxy formation, Dark matter & neutrinos  
**John Webb** / UNSW/Cambridge: Stability of fundamental constants

#### SCHOOL DIRECTORS

**Giuseppe Bono** / Roma  
**Michele Cirasuolo** / ESO  
**Carlos Martins** / Porto

#### LOC

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**Ana Catarina Leite** / IA  
**Carlos Martins** / IA, Chair  
**Manuel Monteiro** / IA, Sysadmin  
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