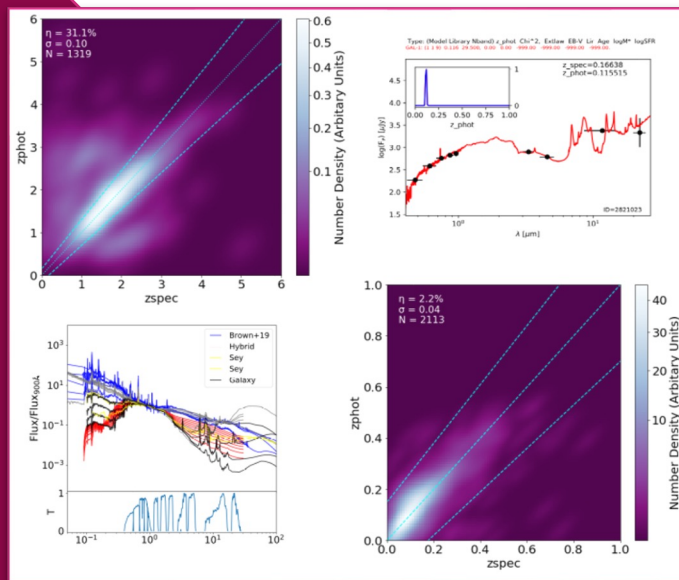




Ektoras Pouliasis

Organization: Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing at the National Observatory of Athens (NOA)

Position: Post-doc



I obtained my B.Sc. in Physics from the Aristotle University of Thessaloniki (2012) and my M.Sc. in Astronomy & Astrophysics from the Observatory of Paris (2015). In February 2020, I received my Ph.D. in Astrophysics from the National & Kapodistrian University of Athens that was about the different selection methods used to identify Active Galactic Nuclei (AGN), one of the most energetic phenomena in the Universe.

Then till 2023, I worked as a post-doctoral researcher in the AHEAD2020 project at the National Observatory of Athens in Public Outreach activities for high energy Astrophysics, while scientifically, I study X-ray selected AGN in the local and distant Universe (<2 billion years old). In particular, I make use of multi-wavelength photometric and spectroscopic data to explore the physical properties (e.g. space density) of super-massive (100 millions to billion times the mass of the Sun) black holes located in the center of the galaxies.

In XMM2ATHENA, my role mainly focuses on calculating the distances (photometric redshifts) of sources seen in the X-ray sky (WP8). Specifically, by constructing multi-wavelength photometric catalogues and using both machine-learning and traditional template fitting techniques it is possible to derive accurate measurements of the distances, even when the Universe was quite young.