



## Astrophotography and AI

Tuesday 3/6/2025 @19:00 – 20:00, Ceremony Hall of Harokopio University

### Artificial Intelligence, a brief look under the hood

**Harry Kambanis** has been employed for the past 13 years as part of Microsoft in various leadership roles. His core focus is helping customers deliver innovation, through AI and Agentic Solutions across a region spanning 109 countries. In his private life Harry is an avid Astrophotographer, founding member and first president of Hellenic Amateur Astronomy League and currently involved with operation of the Stephanion Observatory, part of the Municipality of Corinth.

Artificial Intelligence, a brief look under the hood. How it works and how it can impact accessibility, democratize science, drive curiosity driven exploration. How can AI impact to help citizen science and amateur astronomers contribute more

### The Universe on a Screen: A New Era in Astronomical Observation

**Evangelos Souglakos** is a keen astrophotographer, electronics engineer and founder of Pegasus Astro, a company that designs and manufactures astronomical instruments and high-tech electronic equipment for telescope and observatory automation. He specializes in leading the circuit design and software development for the company's products.

Astronomy is now more accessible than ever thanks to smart telescopes and artificial intelligence. With just a smartphone or tablet, users can control telescopes, observe the night sky, and capture images, without the need for complex equipment. This presentation highlights the latest technologies that bring astronomy closer to the public: automated, user-friendly telescopes AI-powered image processing that corrects star halos, reduces noise, and enhances sharpness, ideal tools for public outreach, education, and science communication. It is a new way to explore the cosmos, right from your screen.

- \* The event is open to public. An open discussion will follow the presentations.
- \* The event is supported by the IAU office for Astronomy Outreach in Greece and the amateur astronomy clubs: Hellenic Amateur Astronomical Union and Sparta Astronomical Union "Dioskouri".



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