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The ARGOS Project

jeudi 13 avril 2023 14:30 (30 minutes)

In this talk I will introduce the ARGOS project, a concept for a leading-edge, low-cost, sustainable "small-D, big-N"radio interferometer to be constructed in Crete. I will provide an overview of the current plans for building the interferometer as well as explaining how ARGOS aims to bring the radio regime into the era of multi-messenger astronomy by probing the nature of transient sources, such as Fast Radio Bursts (FRBs). Finally, I will present the challenges of reconstructing radio interferometric data and how CosmoStat aims to use state-of-the-art signal processing and machine learning tools to address them.

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