



# X-RAY ASTRONOMY 2019

*Current Challenges and New Frontiers in the Next Decade*

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## **Riccardo Giacconi: X-ray Pioneer: Explorer of the Secrets of the Hoary Deep**

*Friday, 13 September 2019 20:00 (2 minutes)*

We summarize the contributions of Riccardo Giacconi starting from UHURU, through deep survey studies with the Einstein and ROSAT Observatories, to his exploration of the Chandra Deep Field South. In his earliest research with UHURU, Giacconi focussed on Galactic X-ray astronomy with studies of binary X-ray sources, especially Centaurus X-3 and Hercules X-1. With the dramatic increase in sensitivity provided by the Einstein Observatory, he probed the origin of the X-ray background which he continued with ROSAT and his collaborators at MPE. His X-ray studies culminated with the selection and imaging of the Chandra Deep Field South to resolve a large fraction of the X-ray background. We mention his unique contributions across the electromagnetic spectrum with his research and leadership including X-rays (UHURU, Einstein), optical (STScI, ESO), and radio (AUI/NRAO).

### **Topic**

Future missions

### **Affiliation**

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