

Report of Kavli-IAU workshop on Future Space-based UV-O-IR Telescopes

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The workshop on Future Space-Based Ultraviolet-Optical-Infrared Telescopes, organised by the IAU Working Group on Global Coordination of Ground and Space Astrophysics was held between 17 and 19 July 2017 in Kasteel Oud-Poelgeest near Leiden. Forty invited participants from 17 countries attended, from universities, observatories, research organisations, and space agencies, and including science community leaders and experts on various aspects of the science and technology.

The goal of the workshop was to discuss the science goals, technical requirements, political constraints and opportunities for a future large-scale space mission. The lively and inspiring discussion is summarised in a report that recommends that astronomers worldwide intensify their activities to explore the possibilities for science with a large UV, optical and infrared space mission. The report will inform future consideration and will serve as input to the Focus Meeting #13 “Global Coordination of International Astrophysics and Heliophysics Activities from Space and Ground” which will take place at the XXX General Assembly in Vienna between 20 and 31 August 2018.

The programme, list of participants, background documentation and the full meeting report can be accessed via the workshop webpage at www.strw.leidenuniv.nl/KavliIAU2017