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The transient X-ray sky

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The large European Space Agency (ESA) X-ray observatory, XMM-Newton, has been observing the X-ray, ultra-violet and optical sky for over 21 years, resulting in almost a million X-ray detections and nearly 9 million detections in the UV and optical. Many highly variable sources have been discovered in the data once it is made available in the catalogues put together by the XMM-Newton Survey Science Centre. During this talk I will present some of the interesting objects found in the catalogues, such as partial and full tidal disruption events, ultra luminous X-ray sources (ULXs), changing look AGN and interacting binaries before describing plans for transitioning XMM-Newton into the time domain astronomy era.

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