



Contribution ID: 134

Type: **Invited talk**

Timing Properties: Observations

The power of timing is that it can strongly constrain source geometry and causal mechanisms. I will review how multi-wavelength timing - from radio to X-rays and beyond - reveals the structure and scales of microquasars and the causal interplay of accreting components on a variety of physical scales. I will survey some lessons learnt from campaigns over past six decades of timing, and then discuss new parameter space that forthcoming facilities across the electromagnetic spectrum will enable, as well as gaps that remain to be addressed. Finally, I will outline community-driven actions and collaborative efforts needed to accelerate transformational discoveries.

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Session Classification: Timing properties (Observations, modelling)

Track Classification: Invited talk