



Contribution ID: 85

Type: **Invited/Solicited talk in mini-symposium**

## **Supercritical accretion onto compact objects and massive disk winds**

*Wednesday, 13 December 2023 14:42 (20 minutes)*

Most ultraluminous X-ray sources (ULXs) may be powered by supercritical accretion onto stellar mass compact objects. In these cases, massive winds are expected to launch due to strong radiation pressure and produce shock-ionized bubble nebulae when interacting with the interstellar medium. I will discuss how the disk winds shape the observed energy spectrum of ULXs, what one can learn about the accretion physics and evolutionary history of ULXs via VLT MUSE observations of the bubble nebulae, and implications of the ULX feedback in the context of galactic evolution.

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**Session Classification:** Accretion Processes