

*Workshop*

## **Stellar End Products: The Low Mass - High Mass Connection**

*ESO Garching, 6-10 July, 2015*

**Mikako Matsuura (*invited*)**  
**Cardiff University, UK**

**Title:**  
Supernova 1987A

**Abstract:**  
The explosion of supernova 1987A was detected in the nearby galaxy, the Large Magellanic Cloud. At a distance of 50 kpc, this supernova is the nearest supernova explosion detected in the last 400 years. Since that, supernova 1987A has unveiled the evolution of supernovae in an unprecedented detail.

This review talk will present the key findings of supernova 1987A, including post-main sequence evolution of the progenitor star, formation of the rings, and formation of dust and molecules in the ejecta of the supernova.