



Contribution ID: 253

Type: **Poster Presentation**

Super star clusters in nearby Luminous Infrared Galaxies

Thursday, 14 July 2011 17:00 (2 hours)

Apart from the presence of an active AGN, very young and massive super star clusters (SSCs) are likely to be found in local starbursts and interacting luminous infrared galaxies. SSCs are responsible of a high star formation rate (SFR) of the host galaxy. From an on-going deep NIR AO imaging survey, we were able to observe some SSCs hidden by the dusty central regions. To better understand the formation and the evolution of massive star clusters we derived the K-band SSC luminosity functions (LFs) of our sample.

**Level (Hons, MSc,
 PhD, other)?**

PhD

**Consider for a student
 award (Yes / No)?**

No

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

No

Primary author: Ms RANDRIAMANAKOTO, Zara (University of Cape Town)

Co-author: Dr VAISANEN, Petri (South African Astronomical Observatory)

Presenter: Ms RANDRIAMANAKOTO, Zara (University of Cape Town)

Session Classification: Poster2

Track Classification: Track D1 - Astrophysics