

An ESO/RadioNet Workshop

Garching, 10–13 June, 2008

3D2008

Gas and stars in galaxies

A multi-wavelength 3D perspective

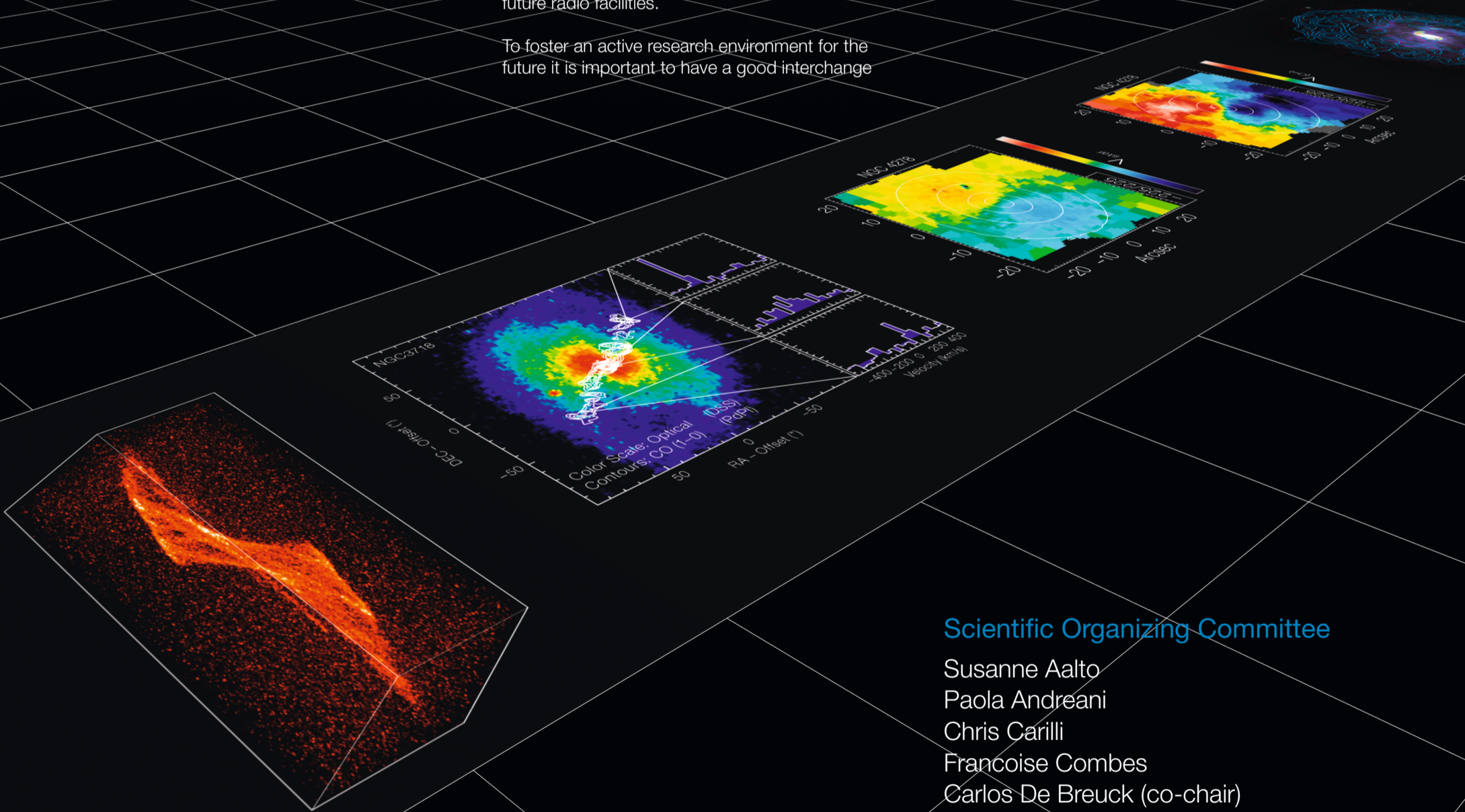
This conference aims to bring together the optical/near-IR and submm/radio communities working on 3-dimensional extragalactic data.

The optical/near-IR community now has access to an increasing number of powerful Integral Field Units (IFUs) and the second generation VLT instruments as well as the proposed E-ELT instruments will all have IFU units. Radio and millimetre interferometers have provided 3D information on gas in galaxies for decades. ALMA will always provide high spatial and spectral resolution data cubes, and so will other future radio facilities.

To foster an active research environment for the future it is important to have a good interchange

between the communities. Combining the stellar, hot and cold gas dynamics provides an unprecedented opportunity to study many processes involved in galaxy formation such as infall, out-flows, mergers and AGN-related phenomena.

A secondary goal of this conference is for the different communities to learn about the tools used to analyse and visualise 3-dimensional data, and to understand how they can be combined in optimal ways.



Scientific Organizing Committee

- Susanne Aalto
- Paola Andreani
- Chris Carilli
- Francoise Combes
- Carlos De Breuck (co-chair)
- Eric Emsellem
- Rob Kennicutt
- Markus Kissler-Patig
- Harald Kuntschner (co-chair)
- Robert Laing
- Lister Staveley-Smith
- Linda Tacconi
- Leonardo Testi
- Jacqueline van Gorkom
- Fabian Walter
- Martin Zwaan (co-chair)



www.eso.org/gal3D2008