

## Clive Dickinson MPhys(hons) PhD AMInstP FRAS

STFC Advanced Fellow at Jodrell Bank Centre for Astrophysics at the University of Manchester. World-leader in characterising foregrounds in the radio/sub-mm and CMB. Research includes CMB data analysis, radio interferometry, diffuse Galactic radio emission, emission mechanisms in the radio and sub-mm, component separation, large-scale H-alpha surveys, interstellar medium, source extraction.

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### Education:

**1999:** University of Manchester, MPhys. (hons) in Physics with Astrophysics (1<sup>st</sup> class honours)

**2002:** Jodrell Bank Observatory, University of Manchester, PhD in Radio Astronomy

### Academic Employment:-

**2009-2014:** STFC Advanced Fellow, Jodrell Bank Centre for Astrophysics, University of Manchester

**2007-2009:** Staff Scientist, Infrared Processing and Analysis Center. California Institute of Technology

**2006-2007:** Planck Post-Doctoral Research Scientist, Jet Propulsion Laboratory

**2004-2006:** Stanley-Rawn Post-Doctoral Research Scholar, California Institute of Technology

**2002-2004:** Post-Doctoral Research Associate, Jodrell Bank Observatory (University of Manchester)

### Awards:-

**1999:** Anglo-Australia Observatory (AAO) summer studentship, June-Sept., 1999, Sydney, Australia.

**2004:** Royal Astronomical Society (RAS) Michael Penston astronomy thesis prize

**2008:** Science and Technology Funding Council Advanced Fellowship

**Publications:** 35 refereed publications in leading journals (6 1<sup>st</sup> author) including numerous papers on CMB foregrounds and anomalous dust. Highlights include:-

- **Dickinson, C.**, Eriksen, H.K., Banday, A.J., Jewell, J.B., Gorski, K.M., Huey, G., Lawrence, C.R., O'Dwyer, I.J., Wandelt, B.D., “*Bayesian component separation and CMB estimation for the 5-year WMAP temperature data*”, 2009, ApJ, submitted (arXiv0903.4311)
- Mason, B.S., Robishaw, T., Heiles, C., Finkbeiner, D., **Dickinson, C.**, “*A Limit on the Polarized Anomalous Microwave Emission of Lynds 1622*”, 2009, ApJ, accepted
- Ali-Hamoud, Y., Hirata, C.M., **Dickinson, C.**, 2009, “*A refined model for spinning dust radiation*”, 2009, MNRAS, 395, 1055
- **Dickinson, C.**, Davies, R.D., Allison, J.R., Bond, J.R., Casassus, S., Cleary, K., Davis, R.J., Jones, M.E., Mason, B.S., Myers, S.T., Pearson, T.J., Readhead, A.C.S., Sievers, J.L., Taylor, A.C., Todorovic, M. White, G.J., Wilkinson, P.N., “*Anomalous Microwave Emission from the HII region RCW175*”, 2009, ApJL, 690, 1585
- **Dickinson C.**, Davies R.D., Davis R.J., Pearson T.J., Readhead A.C.S., Casassus, S., “*Limits on 31GHz excess emission in southern HII regions*”, 2007, MNRAS, 379, 297.
- **Dickinson, C.**, Casassus, S., Pineda, J.L., Pearson, T.J., Readhead, A.C.S., Davies, R.D., “*An Upper Limit on Anomalous Dust Emission at 31GHz in the diffuse cloud [LPH96]201.663+1.643*”, 2006, ApJ, 643, L111.
- **Dickinson C.**, Battye R.A., Carreira P., Cleary K., Davies R.D., Davis R.J., Genova-Santos R., Grainge K., Hafez Y., Hobson M.P., Jones M.E., Kneissl R., Lancaster K., Lasenby A.N., Leahy J.P., Maisinger K., Marshall P.J., Pooley G.G., Rebolo R., Rubino-Martin J.A., Rusholme B., Saunders R.D.E., Savage R., Scott P.F., Slosar A., Sosa Molina P.J., Taylor A.C., Titterton D., Waldram E., Watson R.A. & Wilkinson A., “*High sensitivity measurements of the CMB power spectrum out to  $l=1600$  with the Very Small Array*”, 2004, MNRAS, 353, 732.
- **Dickinson, C.**, Davies, R.D. & Davis, R.J., 2003, “*Towards a free-free template for CMB foregrounds*”, MNRAS, 341, 369.