Research grants – Daniel Macdonald

Total value as first investigator: $9.5 million
Total value of all grants: $18.8 million

1. **Go8/DAAD - Australia Germany Joint Research Co-operation Scheme.** D Macdonald and P Altermatt, ‘Improved phosphorus diffusions for higher efficiency silicon solar cells’, 2015-16, **$19,500.**


3. **Australian Renewable Energy Agency (ARENA), Research and Development Round 1.** K Weber *et al.* ‘Advanced surface and contact technologies improving solar cells’, 2014-2018, $4,102,000, plus $2,360,500 from project partners. Total cash budget **$6,462,500.**

4. **SunPower/Total, independent research contract, 2014-2015, $62,653.**


7. **ARC Future Fellowship FT110100680.** DH Macdonald. ‘The science and engineering of defects and impurities in photovoltaic silicon,’ 2011-15, **$790,524.**

8. **Australian Solar Institute (ASI) Round 2 PV Core Project.** D Macdonald, A Blakers, K Catchpole, A Cuevas, K McIntosh, K Weber, Q Huang, Z Feng, Y Yang, ‘Industry Ready n-type Silicon Solar Cells’, 2011-2014, $3,335,254, plus $1,000,000 from Trina Solar. Total cash budget **$4,335,254.**

9. **ARC Linkages Equipment and Infrastructure Facilities LE110100127.** YY Wong-Leung, C Jagadish, DH Macdonald, RG Elliman, JS Williams, ‘Hall effect system for detailed electrical characterisation in semiconductors’, 2011, **$250,000.**

10. **BTimaging Pty Ltd.** industry funded PhD Scholarship plus laboratory costs, 2011-14, **$181,500.**

11. **Go8/DAAD - Australia Germany Joint Research Co-operation Scheme.** D Macdonald and M Schubert, ‘Advanced photoluminescence spectroscopy of impurities in silicon solar cells’, 2011-12, **$17,400.**

12. **ARC Linkages Equipment and Infrastructure Facilities LE100100121.** TJ White, JE Bradby, RL Withers, Y Liu, RG Elliman, MC Ridgway, A Cuevas, JS Williams, YY Wong-Leung, C Jagadish, AV Rode, I Jackson, DH Macdonald, JD Fitz Gerald, ZH Stachurski, ‘An analytical transmission electron microscope for the investigation of functional materials, earth processes and novel condensed matter’, 2010, **$1,000,000.**


15. ARC Discovery Grant DP0770380. DH Macdonald, LJ Geerligs and J Schmidt, ‘Unlocking the potential of n-type silicon for solar cells’, including a QEII Fellowship, 2007-2011, $735,000.


19. ANU Faculty of Engineering and Information Technology Small Grants Scheme. PNK Deenapanray and DH Macdonald `Spatially-selective characterization of multi-crystalline Si using photoluminescence and deep level transient spectroscopy’, 2005, $6000.

20. ANU Faculty of Engineering and Information Technology Small Grants Scheme. PNK Deenapanray and DH Macdonald ‘Defect engineering of B- and Ga-doped Cz Si for the enhanced performance of cost-efficient solar cells’, 2004, $12,994.