

Professor Tim McCarthy's recent Research Contracts

2011-2012	University International Linkage Grant \$10k Engineering Curriculum and Steel Design Collaboration with IIT Madras
2010-2011	ALTC Priority Project PP10-1778 Exploring Inter Cultural Competency in Engineering \$149k ALTC T Goldfinch, T McCarthy Catherine Layton Principal CIs, Partners QUT, UTS, UTas
2010-2011	ALTC Competitive Grant CG10-1586 \$211k ALTC G Prusty CI UNSW Lead, Partners University of Wollongong T McCarthy, UTS, Utas, RMIT, Uni Melb
2010	ESDF Grant UoW \$10k Addressing Gaps in Graduate Attributes in the Engineering Curriculum.
2010	Member of RRSB team that won \$25million Federal Govt grant for building the Sustainable Building Research Centre at the Innovation Campus
2008-2010	ALTC Competitive Grant CG-695 \$150k ALTC plus \$100k University contributions : A Pro-Active Approach to Addressing Student Learning Diversity in Engineering Mechanics T McCarthy Principal CI, with CI's Dr A Carew, Dr G Thomas, Dr Alan Henderson UTas and Ms A Gardner, UTS.
2008	ESDF Grant: A Multi-Institution Approach to Predicting and Addressing Student Performance in Fundamental Engineering Mechanics, \$17200 from UoW plus additional contributions from UTS and UTas
2008-2011	Amog Consulting: PhD studentship on optimization of mooring designs fro floating offshore oil and gas facilities. \$60k
2006	Carrick Institute Australia: Graduate Meta Attributes and Systems Thinking in Engineering Education \$134000 with Dr A Carew Principal CI, A/Prof P Cooper and A/Prof S Nightingale.
2006	Teaching & Learning Fund: Development of Collaborative Learning Spaces, \$67000
2006	Collaborative learning space design \$68k Teaching and Learning Challenge Grant
2005	High capacity facility for precision testing of structures under abnormal loading, \$43k UoW RIGB
2005	Evolutionary design of metallic risers and mooring systems \$13k URC
	Novel materials in Fibre reinforced concrete and pre-stressed concrete \$10k FRC

Grants obtained while at UMIST and The University of Manchester

2004	Travel grant to visit MIT, USA in March 2004 EPSRC £1500 RAIS award – eValid follow on for site work Total value £65k (£33k EPSRC £32k from GSK) Engineering Design Systems Thinking (£25k Institution of Civil Engineers) Curriculum Innovation – Collaborative Design with Global Teamworking (£10k Curriculum Development Fund, Manchester)
2001-2004	eValid – Improvements to Validation in GMP Total value £725,000 (£275k EPSRC plus £450k from Pharmaceutical Industry companies) – lead investigator TJ McCarthy
1999-2004	Optimization of Metallic Risers for Deep Water Oil production £120,000 Eng D project funded by EPSRC and RTI Energy Systems, Houston Texas– lead investigator TJ McCarthy
2003	Royal Academy of Engineering and Steel Construction Institute £8500 Design Information Requirements for Implementation of the Steel Eurocodes– lead investigator TJ McCarthy
2002-2004	Barnshaws Steel Section Benders Ltd, £27,300 , 1. Cold formed heavy hexagon and octagon sections 2. Beams with large web openings (Straight and curved Porthole beams) – lead investigator TJ McCarthy
1999-2001	Knowledge and Learning in Construction (KLICON) joint EPSRC project with Lead investigator Prof P Morris and University of Manchester and University of Salford, £146,000
1996-1998	Re-engineering the processes of design , production and erection of steel structures. Link/IDAC/EPSC grant jointly with Professor N J Smith, University of Leeds and Prof D A Nethercot (Lead investigator), University of Nottingham Total £150k (EPSRC £77,000 Industrial contribution £73000 -UMIST Contract worth £15000)
1992-1995	Economic Appraisal of Structural Design – An Initial Study based on Tubular Truss Construction EPSRC grant jointly with NJ Smith and lead investigator Professor D A Nethercot, University of Nottingham Total £180,000 (EPSRC £71,000, Industrial contribution £109,000)
1989	Royal Society Travel Grant, Fellowship of Engineering Travel Grant. £750