

New South Wales

University of Western Sydney

FT0991433 Dr Z Tao

Approved Project Title **Behaviour and design of concrete-filled stainless steel tubular columns at ambient and elevated temperatures**

2009 : \$ 85,800

2010 : \$ 171,600

2011 : \$ 171,600

2012 : \$ 171,600

2013 : \$ 85,800

Primary RFCD 2908 CIVIL ENGINEERING

Administering Organisation University of Western Sydney

Project Summary

Stainless steel is recognised as an advanced construction material for its merits of corrosion resistance, attractive appearance and ease of maintenance. It has enormous potential for use in steel-concrete composite construction, which will provide the structural engineering community with greater choice in terms of aesthetics, constructability, cost and sustainability. The research put forward in this proposal will promote the better use of stainless steel in Australia's building, bridge and offshore infrastructure, thereby providing significant socio-economic benefits to Australia. Moreover it will greatly increase Australia's infrastructure maintenance capability.