

Summary of Linkage Projects Applications for Funding to Commence in 2006

Victoria

University of Ballarat

LP0669752 Prof AM Rubinov; Dr M Mammadov; Mr PC Bondin; Dr TL Montague

Approved Project Title **Using global optimization technique to determine the most efficient use of building/floor space to accommodate a given office design**

2006 : \$27,000

2007 : \$53,000

2008 : \$51,000

2009 : \$25,000

Primary RFCD 2301 MATHEMATICS

Partner Organisation(s)

Kann Finch Group

Australian Mathematical Science Institute

Administering Institution University of Ballarat

Project Summary

The commercial property market is one of the largest business markets, both in Australia and globally. Businesses of all kinds use commercial office space, which represents many billions of investment dollars. A better understanding of what constitutes efficient and effective office space would produce enormous commercial benefits for this country. Historically, very little (if any) consideration has been given to the efficiency of office space design. The measurement of efficiency has now become an essential component of 'site selection'. To date, the application of optimization methodologies have not been applied to the architectural industry, making the development of tools to address this problem a significant and innovative move.