



Work Theme B: Structural engineering on modern steel construction
B1 Effective use of high performance steel materials - Q690 ~ Q960

Project Title:

b) “Advanced Numerical Analyses for Building Structures using High Performance Steel Materials”

Principal Investigator: Prof. S.L. CHAN (CEE)

Progress / Achievement:

Study has been conducted on use of high strength steel for snap-through buckling of shallow domes made of tapered members. The study is also reported in a paper “Second-order direct analysis of domelike structures consisting of tapered members with I-sections”, Journal of Structural Engineering, ASCE, vol. 142, No.5, Article number: 04016009, May 2016.

