

# Visitor Research Report

**Visitor Name:** Dr. Paul Weaver  
University of Bristol

**Area of Research:** Shell Buckling Design Technology

**Period of Visits:** July 28, 2008 – August 29, 2008  
December 1, 2008 – December 5, 2008

**Goal:**

To recommend appropriate shell buckling design methods for isogrid structures

**Strategy:**

To:

1. establish limitations of state-of-the-art methods
2. recommend programme of work to develop new methods

**Accomplishments:**

Detailed review made of state-of-the-arts design methods for shell buckling. Lessons learned communicated to LARC staff via one-to-one sessions, group seminar and video recorded material. Report: programme of work recommended for future tasks.

**Future Work:**

The outcome of the lit review and assessment shall be a final report with the following deadlines:

Outline 8/7/09  
Rough Draft 8/28/09  
WebEx Presentation for feedback 9/2/09  
Final Draft 9/25/09

**Pending Publications:**

Internal LARC report

**Seminar Presented:**

4 hours of interactive seminars at LARC