



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI RAVENNA

2015 Seminar Series

STATIC BEHAVIOR OF MASONRY STRUCTURES Master Degree in Engineering of Building Processes and Systems

Seminars will be held
at
Via Tombesi Dall'Ova,
55 – Ravenna

May 11th 1:30 pm – 4:30 pm
May 12th 9:30 am – 12:30 pm

ON THE ANALYSIS OF CANTILEVER STAIRCASES

Dr. Chris Burgoyne

BIOSKETCH: Chris Burgoyne graduated from St John's College, Cambridge. After taking a Master's degree at Imperial College and working in industry Dr. Burgoyne returned to Imperial to study for a PhD where he worked on the buckling of beams and columns with Prof. Eric Brown.



He was appointed to a Lectureship in the Concrete Structures section at Imperial, which led to a change of emphasis towards the behaviour of prestressed concrete structures. He maintains a continuing interest in general prestressed structures and also in the structural mechanics of bone. He has recently been involved in the SPICE geoengineering project, where the properties of fibres are essential for the design of the tether to link a balloon at a height of 20 km for the injection of particles into the stratosphere. Chris moved to Cambridge in 1989 and was appointed Reader in Concrete Structures in 1999. He is a Fellow of the Institution of Structural Engineers and a Member of the Institution of Civil Engineers.

Dr. Burgoyne is also interested in the fracture mechanics of plate debonding since this is likely to govern the behaviour of structures reinforced with CFRP.

May 18th 4:00 pm – 7:00 pm
May 19th 9:30 am – 12:30 pm

STATICS OF MASONRY DOMES

Dr. Mario Como

BIOSKETCH: is a Professor of Structural Engineering in the Department of Civil Engineering at the University of Rome "Tor Vergata". He became professor in 1971 and has taught mechanics, strength of materials, and structural and earthquake engineering, in various Italian universities.



He joined the University of Rome "Tor Vergata" in 1985. He is author and coauthor of more than 150 scientific articles in the field of the theory of elastic stability, plastic buckling, the theory of plasticity. structural and earthquake engineering, the aerodynamics of long-span bridges, and the mechanics of masonry structures and monuments. He authored a book on the theory of stability and is coauthor of two other books on the matrix analysis of structures and earthquake engineering.

Dr. Como has recently published a book on the statics of masonry structures which has been also translated in English and published in 2013 by Springer.

Seminars organized by Dr. Christian Carloni,
within the activities of the course:

Historic Masonry and Wood Structures