SESSION: Structural Repairs

INSTRUCTOR: Jeff Stott

TIME: Wednesday, 29th May/ 11:30 – 13:00 (1.5 hours) & 14:30 – 16:00 (1.5 hours)

SESSION OUTLINE

ABSTRACT
This lecture will discuss structural repairs on the micro and the macro scale. Through case studies, we will look at how and why masonry structures fail and the multi-disciplinary, collaborative approach adopted in the design and implementation of structural repairs.

OBJECTIVES
To give an overall understanding and appreciation of structural issues
To promote the collaborative approach
To help in the understanding of levels of intervention
To describe the need for temporary stabilisation works
To consider the need to consult experienced Conservation Structural Engineers

CONTENT OUTLINE
The first session will focus on describing the many failures found within Masonry structures, on how the seemingly small problem can lead to the larger structural repair. Failures such as: inherent design defects, materials defects, alteration problems, degradation, ground movement and environmental changes.

The second session will introduce the Conservation Engineer’s attitude to structural problems from introduction to the problem, through assessment to repair. This will be done through case studies, some of which will integrate with the architect (Stephen Gee) to highlight collaborative working and understanding. Case studies used will be Chatsworth House, Castle Drogo, Marshcourt (with Stephen Gee), Corfe Castle, Hardham Priory and Manor Farm, Westbury; all within the UK

READINGS
 = Essential reading material
 = Available online


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