Engineers Without Borders Ireland together with the Development Technology Research Group, DIT and Smart Shelter Foundation are hosting a series of workshops for undergraduates and professionals in January 2016. The workshops are part of the initiative “Where there is no Engineer” sponsored by Irish Aid.

Workshop: Emergency Architecture & Resilient Engineering

**Tuesday 19th – Friday 22nd January 2016, Location: DIT Bolton Street.**

This workshop is open to architects, designers, civil and structural engineers, and anybody else with an interest in working with EWB Ireland in a developing country, or in a post-disaster reconstruction effort.

**Aims and Outcomes**

The brief is to work through the design stages for a typical building, such as a school, a rural hospital or an orphanage, in a developing context or disaster related area such as Guatemala, Haiti, the Philippines and Nepal. We specifically focus on the transitional period between ‘temporary shelter and semi-permanent house’, and discuss the differences between temporary and permanent housing concepts. We gradually add alternative techniques and materials to the designs.

During the course we introduce unconventional materials in order to create enthusiasm and awareness about alternative construction techniques and the need for sustainable solutions. We will stimulate creative thinking and the participants ability to search for the right questions that need to be answered during the whole process.

Along with directly applicable knowledge, such as climatic and earthquake design principles, the participants will learn to develop a strong and sensible conceptual design.

This inspiring program of lectures, design workshops and hands-on experiments will lead to a better understanding of sustainable architecture and resilient construction techniques.

For further information and to register your interest in attending contact;

**DTC Research Group, (www.dit.ie/dtc), E: liam.mccarton@dit.ie**

**EWB-Ireland, (www.ewb-ireland.org), E: Declan.Alcock@ewb-ireland.org**