



## **CLAYFEST 2017: Conference Programme – ‘Building Bridges’**

School of Architecture & Design, University of Lincoln, Friday, 16<sup>th</sup> June 2017

9:00 - 9:30 am **Registration, Tea and Coffee**

### **Morning Session**

09:30 - 10:00 am	Rowland Keable	Building Bridges Through Marketing, Changing Perceptions of Earth Building Through Communication.
10:00 - 10:30 am	Maria Saez-Martinez	Analysis and Documentation of the Historic Use of Earth Materials in Scotland and General Overview on the Bruce Walker Collection.
10:30 - 11:00 am	Morning Tea / Coffee	
11:00 - 11:30 am	Dr Wendy Matthews	Connecting Knowledge of Past Present and Future Earthen Materials and Built Environments.
11:30 am - 12:00 Noon	Dr Dan Maskell	Clay? An Innovative Material for the Future?
12:00 - 12:45 pm	Dr Erica Mallery-Blythe	Healthy Building in the Digital Age.
12:45 - 1:00 pm	Discussion	

1:00 - 2:00 pm **Lunch**

### **Afternoon Session**

2:00 - 2:30 pm	Louise Halestrap	Making Earth a Conventional Building Material.
2:30 - 3:00 pm	Peter Coch	Earth building in Slovakia: Yesterday and Today.
3:00 - 3:30 pm	William Stanwix	Developing Light-Earth Materials for the UK.
3:30 - 4:00 pm	Afternoon Tea / Coffee	
4:00 - 4:30 pm	Dr Fidelma Mullane	Earth Building in Ireland: The Example of Tempered Clay.
4:30 - 5:15 pm	<u>Keynote:</u> Franz Volhard	Light-Earth Building.
5:15 - 5:30 pm	Discussion and concluding remarks	

Earth Building UK & Ireland (EBUKI). June 2017



**HERITAGE SKILLS CENTRE**  
AT LINCOLN CASTLE



## **CLAYFEST 2017: Conference, Speaker Profiles**

### **Rowland Keable**

Talk Title: *Building Bridges Through Marketing, Changing Perceptions of Earth Building Through Communication.*

Rowland began building earth structures in Sierra Leone in 1985 and has extensive experience of working across Africa and the UK.

After publishing *Rammed Earth Structures: A Code of Practice*, Rowland worked towards its adoption as a Standard, first in Zimbabwe between 1995-98, and then across the South African Development Community (SADC) region where rammed earth now has a national standard in 15 countries.

Since returning to the UK, Rowland has worked for a range of public and private clients including The Eden Project, Channel 4 (Big Brother), East Sussex County Council and CAT. Rowland has also published *Rammed Earth Design and Construction Guideline*, published by the Building Research Establishment (BRE) and now the basis for both a BREEAM A+ rating and an entry in the National Building Specification for rammed earth.

Rowland is a founder member and Chief Executive of EBUKI (Earth Building UK and Ireland) and has worked with EBUKI on a European Training Standard with 18 organisations in 8 European countries. This will in time allow training in earth building to be recognised across the EU.

He is Director of Rammed Earth Consulting CIC, and is Honorary Associate Professor to the UNESCO Chair on Earthen Architecture.

### **Maria Saez-Martinez**

Talk Title: *Analysis and Documentation of the Historic Use of Earth Materials in Scotland and General Overview on the Bruce Walker Collection.*

Maria trained as a Building Engineer in Spain. Initially specialising in earth materials and intervention in catastrophes she worked in Portugal at the Civil Engineering School on the analysis of seismic effects on adobe bricks. At Edinburgh 2013 she took BEng (HONS) Energy and Environmental Engineering focusing her studies in energy efficiency, thermal mass and solar space heating for new design as well as old/historic buildings. After

successfully finishing the MSc Architectural Conservation at Edinburgh University in 2016, Maria now works for Historic Environment Scotland, her project, Documentation and Analysis of the History and Use of Earth Materials in Scotland. She is passionate about heritage and its conservation, earth materials, energy efficiency and sustainable design.

## **Dr Wendy Matthews**

Talk Title: *Connecting Knowledge of Past Present and Future Earthen Materials and Built Environments.*

Wendy is Associate Professor in Archaeology at the University of Reading. She co-directs the Central Zagros Archaeological Project and research on the origins of agriculture, sedentary communities and resource management in Iraq and Iran, 12,000-8,000 years ago. She has studied ancient built environments and earthen architectural materials across south-west Asia since 1987, initially for her PhD and as Research Associate and Research Fellow at the Department of Archaeology and McDonald Institute for Archaeological Research, University of Cambridge (1987-2000).

## **Dr Daniel Maskell**

Talk Title: *Clay? An Innovative Material for the Future?*

Dan is a Research Associate at the University of Bath working on the ECO-SEE project. His passion for earth construction is mainly within the new build sector; which is fostered by his PhD work. It is his belief that mainstream adoption of earthen construction can utilise the environmental benefits on a wider scale and have a significant and measurable impact. This approach has become the rationale for his current research and will become key to his planned future work in academia.

## **Dr Erica Mallery-Blythe**

Talk Title: *Healthy Building in the Digital Age.*

Erica began researching biological effects of non-ionising radiation in 2008. This research included copious literature appraisal, conducting her own research via medical histories, medical examinations and provocation testing of those with Electromagnetic Hypersensitivity (EHS). She has provided expert witness statements regarding EHS, and been invited to discuss the public health concerns of radiation exposure at the highest political level both here in the UK, and in Europe. She has provided support for schools and parents who require advice to better protect the health of children and information and advice for doctors and their patients.

She formally transitioned from clinical medicine to full time research in 2015, and continues advise where appropriate and necessary. Given that the task of providing such

support for ever growing numbers is escalating, she founded PHIRE (Physicians' Health Initiative for Radiation and Environment) to facilitate education on a larger scale. The group already has international affiliations with medical doctors' groups abroad and we are currently constructing best practice guidelines for Electromagnetic Radiation (EMR) health for multiple settings.

## **Louise Halestrap**

Talk Title: *Making Earth a Conventional Building Material.*

Louise is a senior lecturer at the Centre for Alternative Technology's Graduate School of the Environment. She focusses on adaptation planning, water security and practical sustainable building. She is especially interested in 'normalising' low carbon materials and debunking greenwash.

## **Peter Coch**

Talk Title: *Developing Light-Earth Materials for the UK.*

Peter, alias Shaman, is "clayman" in the natural building co-operative Organica based in Banská Bystrica, Slovakia. He leads a team of plasterers who craft creative surfaces for wooden and straw bale houses using local clay sources.

## **William Stanwix**

Talk Title: *Developing Light-Earth Materials for the UK.*

Will is a natural building enthusiast. He has worked in the construction industry as surveyor, contractor and project manager. He is most well-known for starting the Hempcrete building company; Hemp-Lime Construct (now UK Hempcrete) and co-authoring 'The Hempcrete Book'. Will has now taken a break from contracting and joined HG Matthews to look at ways to develop clay, straw and hemp based materials for the more mainstream building industry in the form of un-fired blocks. Will is working with Grahame Durrant of Hemp-lime Spray to explore the potential for spray applied coatings composed of clay and natural fibre.

## **Dr Fidelma Mullane**

Talk Title: *Earth Building in Ireland: The Example of Tempered Clay.*

Fidelma works on the study, conservation and representation of vernacular architecture with particular emphasis on the Irish vernacular house.

## Keynote: Franz Volhard

Talk Title: *Light-Earth Building.*

Franz is a partner of Schauer + Volhard architects (BDA) in Darmstadt. Since 1980, he has designed and built numerous light earth projects, many of which have won architecture prizes and awards. His extensive research has given rise to new techniques of using light earth for contemporary applications in sustainable building with wood and earth. He teaches and consults internationally and has lectured and published widely, including co-authoring the *Lehmbau Regeln*, the German earth building codes. He is member of CRAterre, the International Centre for Earthen Architecture in France, and a founder member of the Dachverband Lehm, the German Association for Building with Earth.