

# Water Preservation and Efficiency

June 2nd, 2011, Cluj-Napoca

This full-day course teaches design techniques and the use of technology and materials to minimize water usage in the construction and operation of buildings. The course included information on appliances, fixtures, and solutions that contribute toward points scored on voluntary building certification schemes such as LEED, BREEAM and DGNB.

This course is an optional course for those seeking the "Romania Green Building Professional" certification.

## Location

Golden Tulip Ana Dome, Observatorului Street, no. 129, Cluj-Napoca

**Map is available here**

## Agenda

9:00 am | Coffee and registration

9:30 am – 4:00 pm | Training \*

\* Lunch and Coffee Breaks will be provided.

## The prices for attending this course

- RoGBC member | individual - 125 Euro
- Non-member | individual - 195 Euro

**For discounts and the course program please click here.**

**For registration to this course only, please click here.**

# Trainer

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### Stephen Scrivens

BSc/Hons, Dipl. LA | BREEAM Licensed Assessor | Founder & Principal of Landscape Technology SRL

Mr. Scrivens holds a Postgraduate Diploma in Landscape Architecture from the University of Sheffield/UK and an Honours Degree in Horticulture from the University of Bath/UK. He lectured from 1975-1981 in Construction at Pershore College/UK.

Mr. Scrivens has extensive background in construction project management having worked on over 100 large building projects in the UK, Spain, Romania, New Zealand and Korea including corporate headquarters for companies such as Anglo American, 3i's, Robert Fleming, Repsol, Sony, Proctor and Gamble, British Nuclear Fuels, Canon, Glaxo, Britoil, the Hong Kong and Shanghai Banking Corporation, and the Pentland Group, and he has worked on a number of shopping malls including Meadowhall (Sheffield), the Cascades in Portsmouth/UK, the Octagon Centre in High Wycombe/UK, Vicarage Fields in Barking/UK, Lakeside in West Thurrock/UK, Royal Victoria Place in Tunbridge Wells/UK and the Metrocentre in Newcastle/UK. He also master-planned a number of business parks including Brooklands and Arlington's Business Park at Theale/UK, which won the 'Financial Times Business Park of the Year Award'.

Mr. Scrivens' experience also includes the design of storm water balancing and flood compensation systems. He has master-planned developments adjacent to watercourses and within flood plains and has attenuated water flow from major developments by integrating a range of technologies to create a unified system.

Mr. Scrivens lectures extensively and internationally in the UK as well as Sweden, New Zealand, Romania and Australia on urban design and green technology. He has authored numerous text books and over seventy articles on a range of topics including urban landscape, water management and green roofs and in 2002 published a pamphlet on "How to design a water feature". Mr. Scrivens has made presentations to the British Government on low cost mass housing with a focus on affordability and alternative methods of financing. He worked on the reuse of the Millennium Dome in London and the Eden Project, both in the UK.

Mr. Scrivens was a member of the team that created the "Evolution" System for building low cost apartments. He is one of the few BREEAM assessors in Romania and he has recently developed designs for a new generation of low cost zero energy homes to help meet Romania's housing needs.

# Agenda

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### 9:00 am – 9:30 am | Registration & Welcoming Coffee

### 9:30 am – 11:30 am | Training

Introduction

Water – a precious commodity

Water – a dangerous friend

What are BREEAM and LEED?

### 11:30 am - 12:00 am | Coffee Break

### 12:00 am - 1:30 pm | Training

Techniques for minimizing water use

Water Consumption

Water Meters

Leak Detection

Microbial Contamination

### 1:30 pm - 2:30 pm | Lunch

### 2:30 pm - 3:45 pm | Training

On-site wastewater treatment

Minimal Irrigation Systems

Rainwater Attenuation