A full-day course explaining the principles of lighting design and the integration with Building Management Systems to create high-performance green buildings. This course will also include a detailed view of the case study ‘Automation of Lighting’ by the Technical University of Bremen.

Course details:
1. Introduction: lighting between functionality and emotion
2. Lighting basics (units, measurements and standards)
3. Lamps
4. LED: tales or facts?
5. Lighting systems
6. Daylight and light pipes
7. Dialux - European lighting software
8. EN 15193 - Lighting ENergy Index LENI
9. Lighting control systems
10. Case studies
See a preview of Professor Beu’s training here.

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

Location
RoGBC office, Str Ialomicioarei, no. 21, district 1, Bucharest
Map is available here

Agenda
9:00 am | Coffee and registration
9:30 am – 5:45 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.
Trainers Profile

Lighting Design & Smart Buildings

July 15, 2011, Bucharest

**Dorin Beu**

Ph.D. Dr. B.Eng. | Reader at the Technical University of Cluj-Napoca | managing director of B-Lighting SRL | manager of the lighting engineering laboratory at the Technical University of Cluj-Napoca

Dr. Beu hold a doctorate degree in Building Engineering from the Technical University of Cluj-Napoca, earned his Ph.D. in ‘daylight offices’ and won research grants from the University of Liverpool, CSTB Grenoble, University of Barcelona and Helsinki University of Technology, where he worked European research projects concerning daylighting, lighting pipes and glazing systems.

Dr. Beu is the chairman of the Romanian Lighting Convention Bucharest 2011 and lectures at the Technical University of Cluj-Napoca and manages the university’s lighting engineering laboratory. He has participated in several European energy efficiency programs, most recently the ‘European Efficient Residential Lighting Initiative’ (ENRLIN).

Dr. Beu was the lighting and electrical design coordinator for 36 major building projects including the Worldbank/Bucharest, Radiohall/Bucharest, Polus Mall/Cluj, Philharmonic/Cluj and Sigma Towers/Cluj.


His recent activities include acting Director of the ‘Division 3 Interior Lighting’ from Romania National Lighting Committee and directing the Romanian Green Building Council Transylvania Chapter.

**Rafael Marculescu**

BA in Fine Mechanics | Professional Degree in Business Management | Vice president of the ISC Division at Schneider Electric/Romania

Mr. Marculescu holds a BA in Fine Mechanics from the University of POLITEHNICA/ Bucharest, Professional Degree in Management from the Open University Business School/ UK and is the vicepresident of the ‘Life Space Business Unit’ at Schneider Electric Romania.

Mr. Marculescu is certified as a KNX Partner by KNX Association/Brussels and has been working for Schneider initially as national sales engineer, specialized in automation KNX solutions for buildings.
Agenda
Lighting Design & Smart Buildings
July 15, 2011, Bucharest

9:00 am - 9:30 am | Registration & Welcoming Coffee

9:30 am - 11:00 am | Training
Trainer | Prof. Dr. Dorin Beu
1. Introduction: lighting between functionality and emotion
2. Lighting Basics (units, measurements and standards)
3. Lamps
4. LED: tales or facts?
5. Lighting Systems

11:00 am - 11:15 am | Coffee break

11:15 am - 13:30 pm | Training
6. Daylight and Light pipes
7. Dialux – European Lighting Software
8. EN 15193 - Lighting Energy Index LENI
9. Lighting Control Systems

1:30 pm - 2:30 pm | Lunch

2:30 pm – 4:00 pm | Training
Trainer | Rafael Marculescu, Schneider Electric
Lighting Atomization
Case Study - “Bremen Technical University”

4:00 pm - 4:15 pm | Coffee break

4:15 pm - 5:45 pm | Training
Trainer | Prof. Dr. Dorin Beu
Case Studies