

## LIGHTNING PROTECTION

### *Training of specialist in lightning protection*

After the success of the first training in French (first semester 2013), Professor Christian Bouquegneau\* (University of Mons, Faculty of Applied Sciences, General Physics, 9 rue de Houdain, MONS) will organize, under the aegis of BEC-CEB, during Autumn term 2014, a **training in English(EN)/Dutch(NL)**, in 10 afternoons (from 14:00 to 17:00 ; cf. schedule below), at the 'Faculté Polytechnique, Université de Mons', a training on the new standardization (international, European, and Belgian : IEC NBN EN 62305, Ed. 2 : 2010) in lightning protection.

This training includes 4 modules. A *written proof of attendance* will be delivered to hard-working students. To get a *written proof of success* in the *Training of specialist in lightning protection*, and have the title of *specialist* related to the NBN EN 62305 standard, the trainee will have to pass an exam on the 4 modules topics.

**Module 1** (2 afternoons : **Thursday September 25, and October 2, 2014**) : *lightning phenomenology, lightning effects, general principles of lightning protection* (EN, EN).

**Module 2** (3 afternoons : **Thursday October 9, and 23, and November 6, 2014**) : *lightning risk assessment, case studies analysis*. Visit of the High-Voltage Laboratory (EN, EN, EN).

**Module 3** (3 afternoons : **Thursday November 13, 20, and 27, 2014**) : *lightning protection : electrogeometric model, separation distance, installations, maintenance, inspection, natural components...*(EN, EN, NL).

**Module 4** (2 afternoons : **Thursday December 11, and 18, 2014**) : *lightning protection of electric and electronic systems* (EN, NL).

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\*Christian Bouquegneau is Professor of (and representative of) the University of Mons, Fomer Rector of the 'Faculté Polytechnique de Mons', Chairman of the Scientific Council of the Belgian Royal Meteorological Institute, President of the 'Société des Sciences, des Arts et des Lettres du Hainaut', Chairman of the European Committee CLC TC 81X (*Lightning Protection*), Chairman of the Belgian Commission BEC TC 81 (*Lightning Protection*), Former Chairman of IEC TC81 (Chairman from 1988 to 2007, till the publication of the first edition of the international standard IEC 62305: 2006, *Lightning Protection*), Convenor of IEC TC 81 WG12 (Lightning Location Systems), and Convenor of IEC TC81 WG13 (*Thunderstorm Warning Systems*).



## ***Organizing Committee, information :***

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Registration form to be sent to [christian.bouquegneau@umons.ac.be](mailto:christian.bouquegneau@umons.ac.be) ,  
either before **June 27, 2014 (- 20%)** or **September 5, 2014 (full fee)**.