REGISTRATION

For all further details, visit our website:
www.lightweightprofessional.com

Fees
The course fee is 1,200 € per module and covers:
- Preliminary e-learning course
- Course documentation
- Lunch and drinks during breaks

For every certification level, there is an additional one-off examination fee of 195 €
Background
Reducing the weight of structures has in recent years become a critical point of focus for many different sectors, such as machine building, transportation and civil construction. The appropriate handling of raw materials in lightweight design structures is the key success factor for preserving resources and reducing costs. Unfortunately, practical experience often shows that designing and handling rules for new materials are not being respected. The professional training concept underlying the “lightweight professional” courses addresses this issue.

Within these courses, industrial employees (managers as well as engineers and technical staff members) will not only obtain information, but also acquire the knowledge in a manner appropriate to their individual educational backgrounds. Based on results from a recent Europe-wide survey, the content and the format of the “lightweight professional courses” are designed to meet industrial needs. Guided by the concept of the T-shaped professional, the basic level courses give an overview of lightweight construction guidelines, lightweight materials, cost- and life-cycle -assessment methodologies. Advanced level training provides specialized instruction on different lightweight materials. Expert level courses, based on the knowledge acquired in former levels, will offer additional transversal perspectives.

All courses have been developed in the cooperation project “LightRight” by experts from different European universities and research institutes. (For further details regarding the consortium members and the project please visit www.lightright.eu)

Lightweight professional courses aim to deliver high quality content and ready-to-use practical information. Participants will experience an open environment atmosphere with the opportunity to exchange experiences with other participants and industrial branches.

Target
The courses are aimed at employees in industry whose work involves planning the manufacture of lightweight products, and at employees in companies that want to start manufacturing lightweight products.

Objective
Participants will be able to identify and differentiate the steps involved in developing lightweight products, and to use (design, construct and set up processes with) specific lightweight materials in the correct way to fully utilize the lightweight potential.

Type of training
The courses combine e-learning elements with classroom training. Lightweight professional course modules are delivered on different levels for different target groups.

While the basic level module is designed both for managers, engineers and technical staff, the advanced and expert modules are targeted at technical specialists. All levels offer certification according to DIN EN ISO 17024. The certificates confirm that successful participants have acquired expertise and practical knowledge in the relevant area.

The basic level comprises one module and a final examination to be certified. The advanced and expert levels comprise six modules each of which four modules have to be chosen. All modules can also be booked individually and independently from the certification procedure.

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Basic level
After successful completion of the basic level (”Introductory Module” (IM)) of the lightweight professional training courses participants are able to:

- identify and differentiate the different steps in the process to develop a product in order to critically assess the advantages and disadvantages of lightweight design for specific cases and different materials.
- identify company key figures and components to develop products using a lightweight approach (designers, buyers, quality personnel …)

Course content
- Definition of Lightweight design and strategies, design process
- Design guidelines in lightweight product development
- Materials knowledge related to properties and processes
- Health and safety issues
- Manufacturing specifics, cost-value ratio
- Supply chain: definition of criteria to identify reliable suppliers
- Planning and management

Language
English, German, Spanish, Italian

Date & location
Munich, Germany
2019/09/03 – 05 in German language

Leuven, Belgium
2019/09/17 – 19 in English language

Bilbao, Spain
2019/10/08 – 10 in Spanish language

Vicenza, Italy
2019/10/08, 2019/10/29, 2019/11/19 in Italian language

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