



# Workshop: Competencies driven by Lean Education

## Competencies driven by Lean Education

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Lean Education (LE) derives from a methodology that emerged in the industry and nowadays was spread to all industries and services, including the education services, not only as a way to improve these services but, more important, as a pedagogical platform to innovate the learners curricula and better prepare them to professional world. In 2015, Anabela co-authored the book “Lean Engineering Education: Driving Content and Competency Mastery”, sponsored by Board of Education of ASME and published by ASME Press and in 2017 “Lean Education: An Overview of Current Issues” published by Springer. Both books intended to show the pertinence of professionals, engineers or others, learn Lean Thinking principles and the need to educate all people on those.

We invite you to attend our Workshop, where you will have the opportunity to discuss the current professionals' needs and competencies in teams. Each team will discuss some topics such as weaknesses of current problem solving strategies (Content vs competencies, Holistic vs compartmentalized, passive vs active learning methodologies, link to industry,...), Lean Engineering concept, principles, tools and system-thinking, ethics and sustainability competencies. Then some scenarios will be provided to participants to discuss professional competencies needed for industry. It is intended to introduce the taxonomy 3H.

### The workshop

During the workshop we will develop numerous activities such as:

1. Ice-breaker activity
2. Themes discussion
3. Scenarios discussion
4. LE introduction through examples
5. Workshop assessment

### Learning Objective

Delegates will:

- 1) be aware of sustainability and systems concepts of LE;
- 2) identify of strategies and weaknesses in current curricula;
- 3) acquire competencies and skills needed to an organizational health and
- 4) understand that LE is capable to provide content and competency mastery pulled by stakeholders (society, employers, faculty, and students).

### When

Friday 16th November 2018

14.00 – 14.30 reception and registration

14.30 – 16.30 workshop

### Location

The workshop will be held at Vila Galé Hotel, Braga, Portugal.

See <https://www.vilagale.com/en/hotels/porto-and-north/vila-gale-collection-braga>

### Costs

Costs for participation in the workshop are €150 per person.

Please note: This is a workshop for educators that do not know what is Lean Education.