

DSPE announces register for Certified Precision Engineers

D DSPE has been assigned a project by the Point-One innovation programme to create a register for Certified Precision Engineers. DSPE has been working on this initiative for quite some time. The main goal is to focus more on the post-academic education of employees at companies, institutes and universities. The initiative is also linked to the activities of technology road mapping in the ecosystem of the high-tech industry, which are being carried out in collaboration with Brainport Industries.

Certification points can be earned by following selected courses, and once participants have collected a total of 45 points (one point per course day) they will be certified and added to the register of Certified Precision Engineers. They are then allowed to use the title CPE. In the (near) future DSPE will outline a lifelong learning programme, which is a prerequisite for maintaining the CPE accreditation.

There is a historical difference between post-academic education today and that of 20 years ago. In those days, large companies like Philips invested a great deal in

educating their technical personnel. Today, that's all gone and not enough attention is paid to employee education. There is no time for education when times are busy and no money in an economic downturn.

DSPE wants to use the certification programme to highlight post-academic technical education to management. DSPE will be marketing the value of this title and how it can help a CPE's career and to do this, HR management and line management will be updated on the CPE programme on a continuous basis.

It is unacceptable for precision engineers that post-academic education is seen as something time-consuming during busy times and as a money drain during an economic downturn. On the contrary, post-academic education saves money and lead-time for the company as designs are improved by well-qualified engineers. DSPE wants to showcase this and convince the industry that we should care about post-academic education.



Programme with courses selected by DSPE

Basic courses ('mandatory')

- Mechatronics
- Control Systems Tuning
- Dynamics & Modelling
- Systems Architecture and Engineering
- Design Principles

Other courses

- Optics
- Opto-mechanics
- Opto-mechatronics
- FEM
- Actuators and Electromechanics
- Sensing, Calibration, Measuring Principles
- Vision
- Advanced Motion Control

- Multi-body Dynamics
- Applied Optics
- Exotic Materials
- Connection Techniques
- Manufacturing Techniques
- Coating, Corrosion
- Thermal Design (Mechanics)
- Tribology
- Vacuum Technology
- Noise & Vibration Control
- Contamination Control
- Methodic Design
- Electronics for the Precision Engineer
- IT for the Precision Engineer
- Experimental Techniques