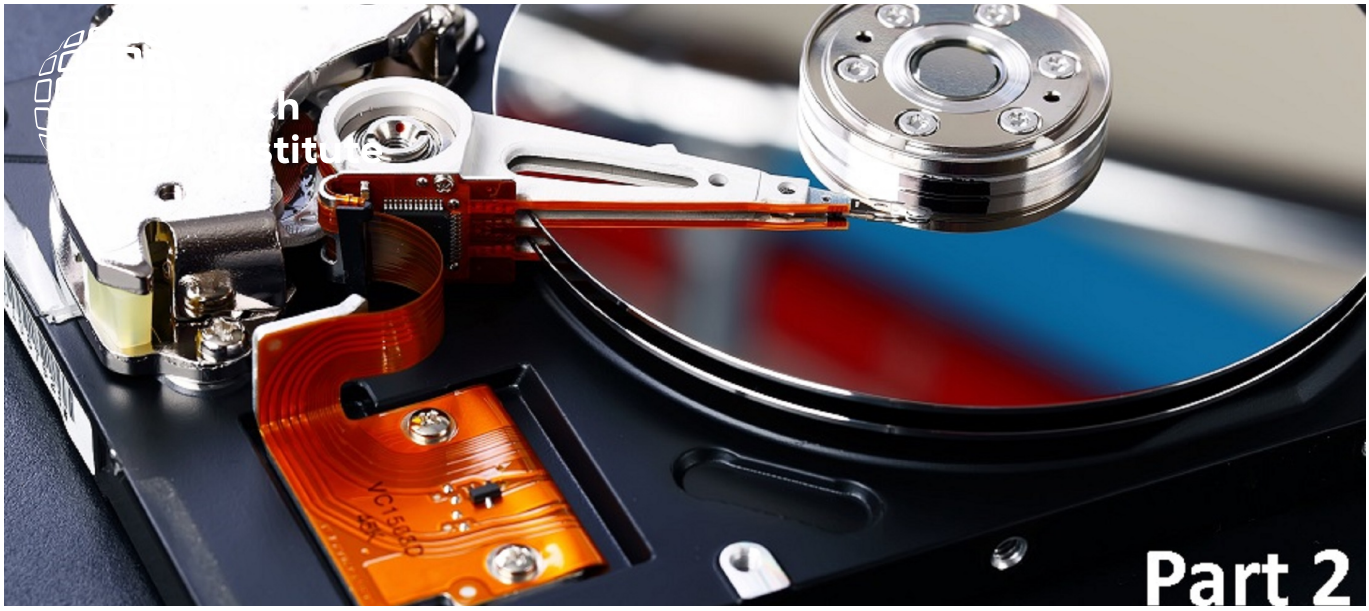
TRAINING BROCHURE

Training Mechatronics system design - part 2



Provisional reservation

Book now

high tech institute

mechatronics academy brainport

Mechatronics system design – part 2

Price: € 3,250 excl. VAT *

Duration: 5 consecutive days

Contact: training@hightechinstitute.nl, +31 85 401 3600

Score: 8.3 ★★★★☆

Intro

Part 2 of the course 'Mechatronics system design' focusses on the essential basics in any multi-disciplinary development of mechatronic (motion) system. In this applied mechatronics training, participants will acquire broad technical knowledge beyond the limits of their own discipline.

What makes this training unique:

- The leading training with over 2000 enthusiastic participants.
- Mix of well-known university professors and industry experts.
- Variety of practical experiences and lessons learned from multiple application areas.
- Recommended by euspen & DSPE (European/Dutch Society for precision engineering).

If on-site training is not feasible, we will transition to a live, interactive online (virtual) or hybrid format. If this transition is necessary, we will contact you in advance for your approval.

Objective

After completion of the full course 'Mechatronics system design', the participant will be able to make a more effective contribution to the realization of mechatronic constructions because he has a better understanding of adjacent disciplines (terminlogy, basics, solution space, challenges, ...) and the interdependencies between disciplines.

Intended for

Architects, designers, engineers and project leaders with various technical background who are involved in the multi-disciplinary development of products/devices or equipment.

Prerequisites: Technical education (BSc or higher) and completion of the course 'Mechatronics system design - part 1'.

Certified by

ecp2

Certification

This course is certified by the European society for precision engineering & nanotechnology (euspen) and the Dutch Society for Precision Engineering (DSPE) and leads to the ECP2-certificate.

Course leader

Dr. Adrian Rankers
Prof. Jan van Eijk

Trainers

Dr. Adrian Rankers
Prof. Jan van Eijk
Jaco Friedrich MSc
Dr. Theo Ruijl
Michiel Vervoordeldonk MSc
Dr. Joost Bolder
Dr. Pieter-Jan van Bommel
Rik van der Burg MSc
Prof. Robert Munnig Schmidt
Dr. Rick van der Maas
Dr. Leon Jabben

** Prices are subject to change. Price correction will be applied at the end of the year.*

Keep me posted ›

Program

- Introduction & recap
- Exercise modeling and simulation (20-Sim)
- Dynamics & implications on control design
- Electromechanics/power electronics
- Analog Electronics
- Control system architecture/development
- Humanware (DISC)
- Thermal effects in mechatronic systems
- Metrology & Calibration
- Exercise (digital) control design on test setup
- Software in mechatronic systems
- Case 1: Compact disc player
- Case 2: Wafer stepper/scanner

Read the interview:

Remarks from participants:

- "Most important items I have learned: Relationship between control loop and mechanics." > Danny Vonk , ASML
- "Very nice to learn about a wide range of aspects from field experts." > Gijs van der Veen , TU Delft/MI partners
- "High quality content, subject & teachers!!! Nice location & food." > Anonymous , Heidenhain