

PROFESSIONAL SCHOOL

# Architecting for System Performance

Maximising your high-tech systems' results with TNO-ESI and EIT Digital



- Bridge the gap between markets, business and technology by taking a performance view on system design.
- Know how to translate business values into small technical details

This course addresses the performance attributes of complex high-tech systems. These attributes are generally time, resource and throughput related. The course covers performance architecting from an external (market, business) and internal (design) perspective. The overall goal of the course is to provide System Architects with a thorough understanding and related skills regarding the architecting of business critical system performance attributes. The course starts with industrial examples and discusses practical models and methods that are common to all classes of performance attributes (like modelling and budgeting). Next, the course will focus on time-oriented performance by discussing topics like resource management and scheduling.



Format

**Blended Learning**



Duration



**5 days** (in total)



**2 days** online self-paced training



**3 days** face-to-face coaching session



Commitment

**4 hours per week**



Language

**English**



## Who should attend?

Software and hardware designers and architects who need to understand performance on a system-level scope and/or are involved in system design trade-offs. A professional experience of 5 years or more in software development for embedded systems is required. Experience with CPU performance limitations and/or trivial device drivers and/or development of operating systems is preferred.



## About EIT Digital Professional School

EIT Digital Professional School drives the digital transformation of both workforce and process in the European marketplace by offering blended learning courses and seminars. Its course portfolio is conceived both in terms of content and learning methodology by some of Europe's most renowned research organisations in the field of digital innovation such as Fraunhofer in Germany and TNO in the Netherlands, among others. The cooperation with different types of research institutes in Europe allows a synergistic effect and strong focus on the latest research, industry application and training delivery methods.

Due to the global outreach of our partner organisations, EIT Digital Professional School is in the position to deliver the face-to-face workshop element of the blended training courses anywhere in the world.



## What's in it for me?

- Gain key skills to analyse performance architecting from a marketing, business and design point of view
- Hands-on training with practical application through an integral team-assignment based on an industrial case
- Maximize your time! The blended course combines online learning modules with face-to-face coaching sessions. It is designed in such a way that you can continue your daily duties while upscaling your digital skills set



## About TNO-ESI

Our course is created by TNO-ESI, a leading Dutch research group for high-tech embedded systems design and engineering. It has a close cooperation with the high-tech industry, as well as a strong association with the fundamental research of academia, both national and international. TNO-ESI contributes to society and economy by driving advances in high-tech systems technology, with a strong shared research programme, dedicated innovation support, a focused competence development programme, and various knowledge and experience-sharing activities.



## Contact us!

Any Questions? Need more information? Here is how you can reach us:



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*Staying at the forefront of digital innovation*