Set TechNES

Technology Network for Embedded Systems

Steve Drew – Network Director



TechWorks is a not for profit member based organisation, focussing on semiconductors / electronics and deep tech.



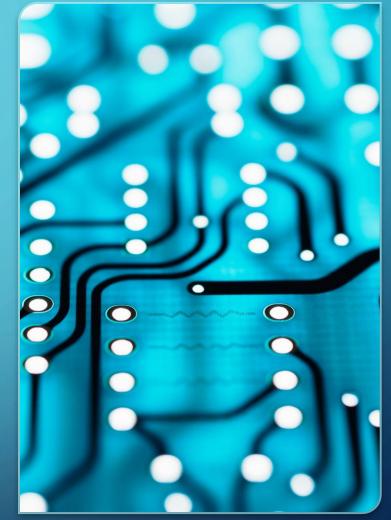






Technology Network for Embedded Systems

https://www.techworks.org.uk/ https://technes.org.uk/



TechNES (The Technology Network for Embedded Systems) has been established to provide a platform for coherence in this domain by connecting leading companies across industrial sectors, sustaining and supporting the world-class capability that exists in the UK.

This will cover all aspects of embedded systems design from hardware and software_engineering_through to systems engineering. From silicon design through to the end system.

- Access to member only resources, workstream activities, and discounted sponsorship opportunities.
- Access to BaseCamp groups to download presentations, member badges and other materials as well as networking
 within the wider TechNES community. With a wide range of workstreams, members are able to network with a range of
 leading industry companies.
- Access to discounts on training and services through the Technology Hub.
- Access to The Academy and discounts on courses along with inputs into future development

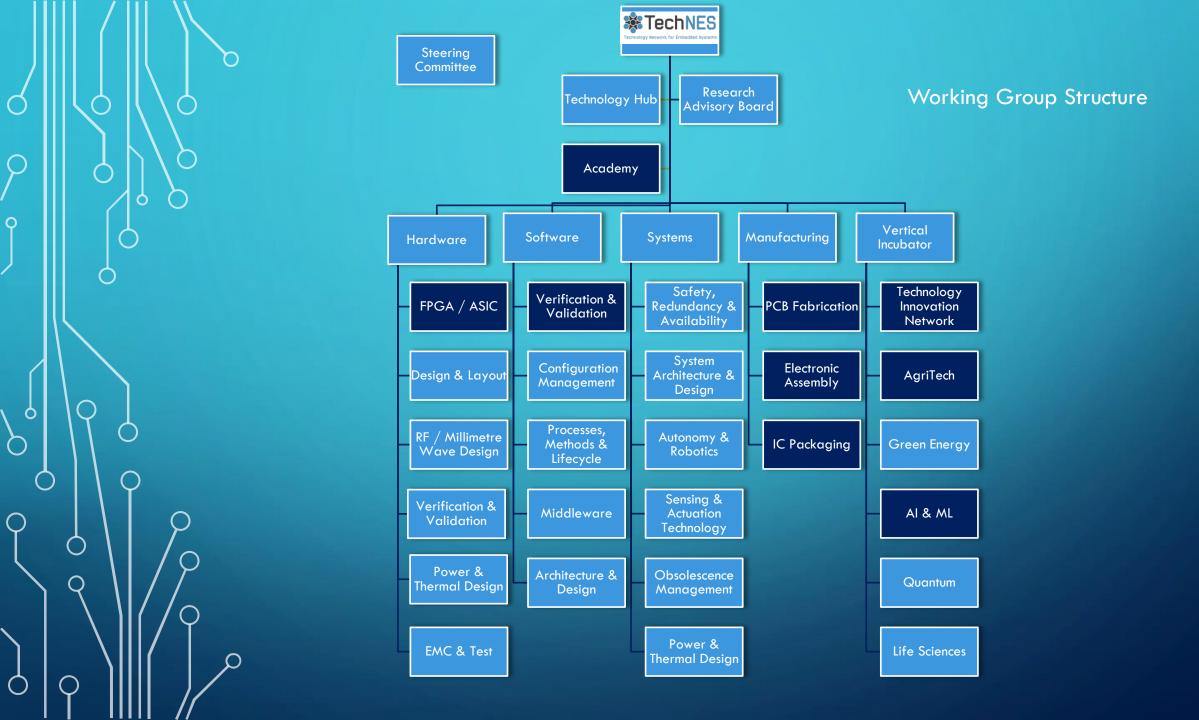
Collaboration

Work Streams

Networking

Conferences & Events

Industry Change



TechWorks



The Challenges we face

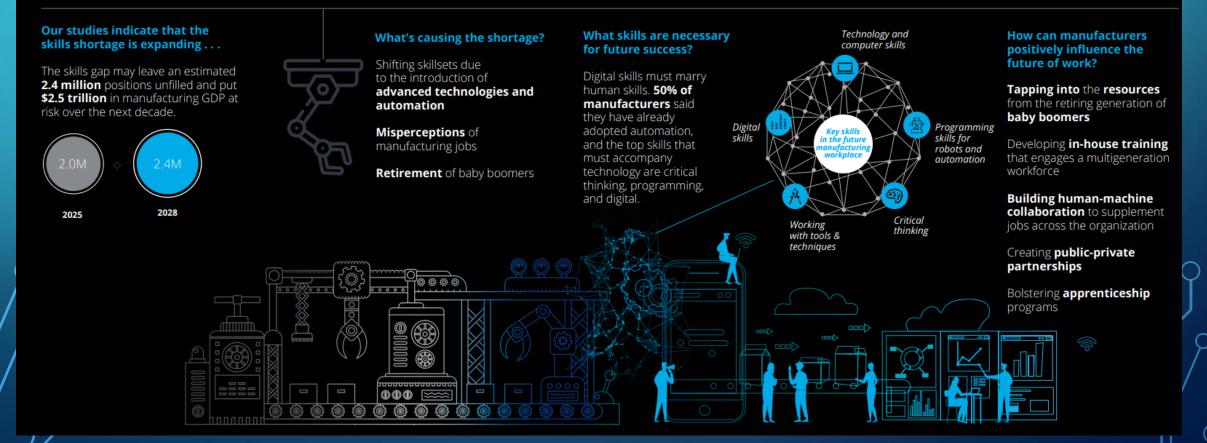
Deloitte.



TechWorks

The jobs are here, but where are the people?

Addressing the manufacturing skills gap and influencing a positive future of work



Source : https://www2.deloitte.com/

A part of the Solution

Inspire ,drive and grow

employees by providing

training

TechWorks

THE ACADEMY

Where do I find my next "xxxxx" engineer ?

Comprehensive study programme that develops the skills and knowledge

Learn new skills and how these are applied

Universities don't teach what industry needs There are no training courses for what I need my engineers to know

Do you need help to fill

a skills gap

Flexible approach to training

Inspire ,drive and grow employees by providing training

Increase your

marketability/

employability

I'm creating a training program for just 1 or 2 graduates a year

Need a flexible

approach to your

training needs

I'm a small company and training can be very expensive

> Advance your job related capabilities

Planned Courses

Design Verification for IC Design Design Verification for FPGA Design FPGA Overview **DSP** Design **PCB** Layout **PCB** Design PCB Manufacture **Understand Printed Circuit Boards Electronics Assembly for Engineers** Zero to ASIC Open Source IC Design

TechWorks



Introduction to Design Verification (DV)

The TechWorks Academy present the DV course to introduce participants to design verification

Course Objectives

By the end of the course, participants should be able to

- Describe the best-practice DV strategies applied currently to semiconductor digital designs
- Understand the main methodologies, tools and languages used in those best-practice DV strategies
- Apply those DV methodologies, tools and languages to basic digital designs
- Analyse a "real" semiconductor digital design and suggest an appropriate DV strategy
- Understand current best-practice DV sufficiently to enable participants to discuss DV topics confidently with colleagues

After completing the course participants will have sufficient understanding of DV tools and methodologies to contribute effectively to real projects

Target audience

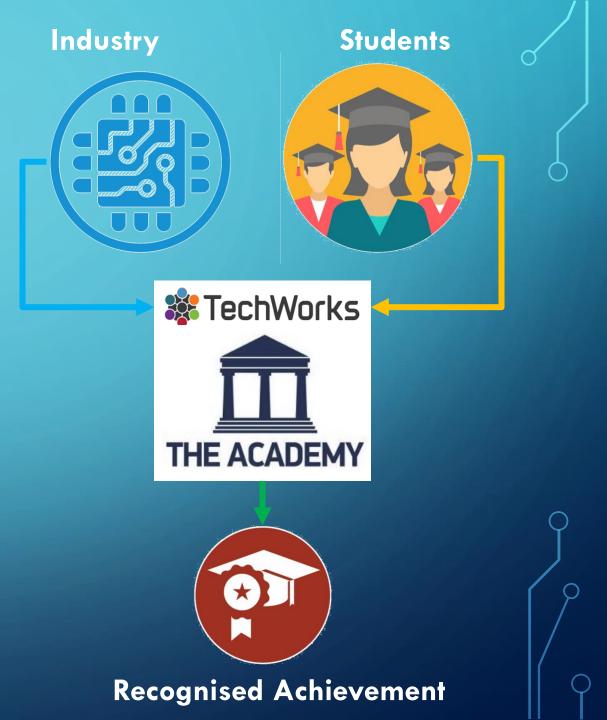
- University students going on or started a placement at a semiconductor design company
- University graduates starting or started work at a semiconductor design company
- Engineers wanting to transition their career to or are just curious about DV
- Managers wanting some understanding of the topic

None. The course is suitable for a wide range of people working in semiconductor design & development, especially recent graduates. Although not a perequisite, some experience of programming (preferably with an Object-Oriented language) would be useful.



Creating a Centre of Excellence for the Skills Gap in our Industries

Connecting Industry to Students
 Connecting Students to Industry
 Providing Industry recognised
 training
 Managed and supported by
 Industry



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Steve Drew – Network Director 07787 012726 steve.drew@technes.org.uk