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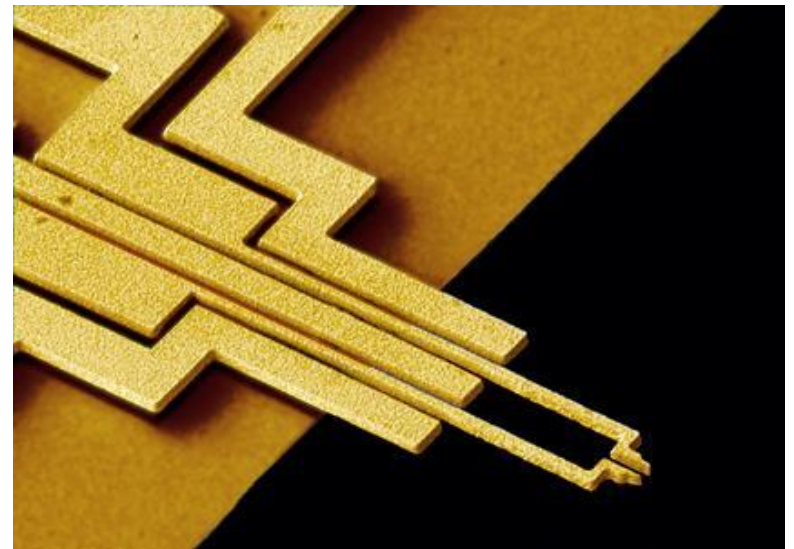
## Ensuring Worldwide Competitiveness – providing World Class Masters and Ph.D. programs

- Research based programs and research based teaching also at undergraduate level
- Programs that are designed in order to ensure research exposure and training for all graduate students
- High quality and up-to-date infrastructure and an involving study environment
- Real-life student research projects

# Integrating research and education at DTU (1)

## Research based programs and teaching

- Research based programs
- Research based teaching
- Compulsory teacher training
- Merit to high quality teaching
- Sponsoring pedagogical development projects by professors at the DTU Learning Lab



## Integrating research and education at DTU (2)

Designing programs order to ensure research exposure and training

- Experimental courses
- Theoretical courses
- Project work



## Integrating research and education at DTU (3)

### Providing the right infrastructure and environment

- A high quality infrastructure to provide for experimental courses
- An involving and open study environment



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## Integrating research and education at DTU (4)

### Examples of real-life student research projects

- **The DTU Roadrunners**

An example applying prime research areas at DTU: **Catalysis and hydrogen**

- **The Spirit of Copenhagen**

An alternative fuel car run by DME (DiMethylEther).

- **DTU Dynamo**

An urban concept car run by pressurised liquid hydrogen.

Holds the unofficial **world record** for hydrogen fuelled cars.

Won the Urban Concept class at Shell Eco-marathon, 2005.

