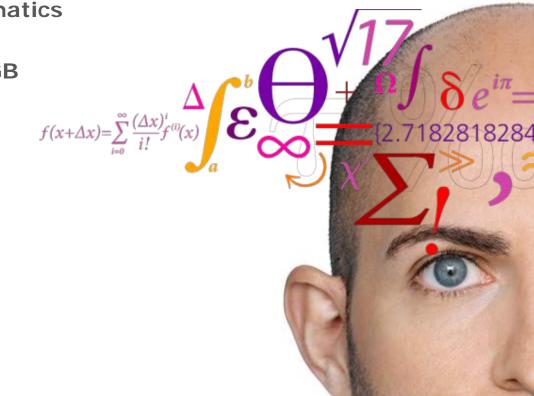


Technical University of Denmark

Jan Madsen, Professor Head of Embedded Systems Engineering Deputy Director of DTU Informatics

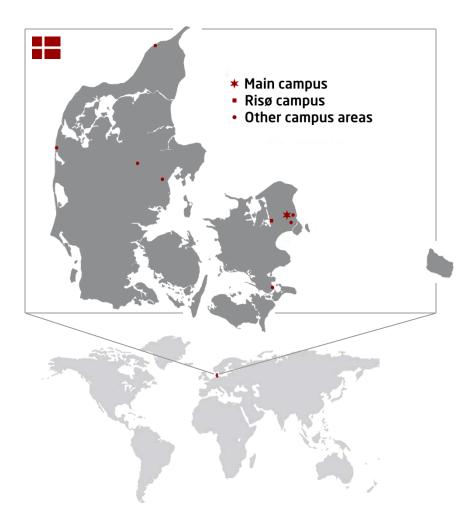
Danish delegate in ARTEMIS GB





Technical University of Denmark

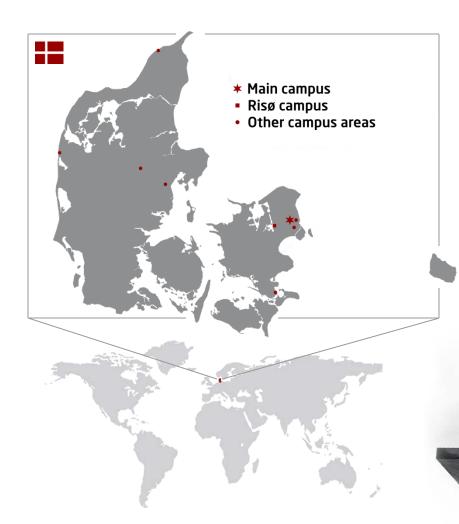
(founded 1829; first rector H.C. Ørsted)







Technical University of Denmark



(founded 1829; first rector H.C. Ørsted)

Key figures

Total students	~8.500
including Ph.D.	1.200
and Int. M.Sc.	650
Research publications	3.600

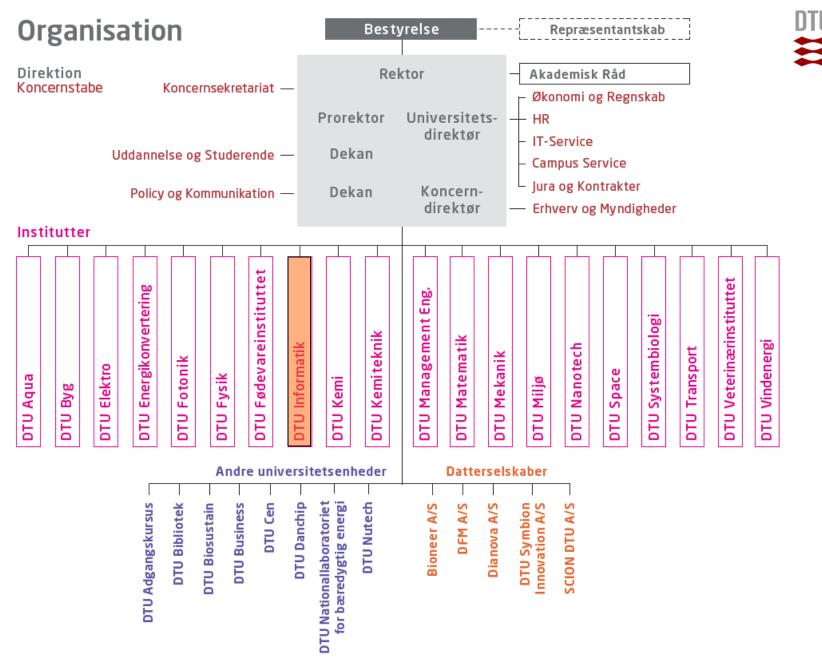


Ranking

Leiden Crown Indicator 2010:

no. 1 in Scandinavia

no. 7 in Europe





DTU Informatics

65 faculty | 40 scientific | 84 PhDs | 48 administrative





DTU Informatics

Algorithms and Logic

Cognitive Systems

Embedded Systems Engineer

DTU

Data Analysis [Public

Services]

Image Analysis & Computer

Language Based Technology

Mathematical Statistics

Scientific Computing

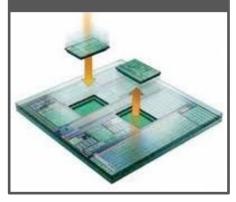
Software Engineering

SOCIETAL CHALLENGES Energy Food Climate Healthcare **Fransport** Facts about DTU 5 June 20



Embedded Systems Engineering

Predictable MPSoC



Model-Based Development

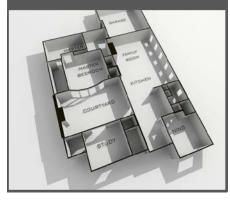
 $\label{eq:constraint} \begin{array}{l} \square \; ((\lceil \textit{provided}(s_{11},1)\rceil \land i > 2 \land L \\ = \tau_0; \; L \geq T_0 - \tau_0) \Rightarrow \\ (\tau_0 \leq L < T_0 - \tau_{r_{bland}}; \; \lceil available(r_{thared})\rceil \\ \land L \geq \tau_{r_{bland}}; \; \lceil rue \rangle), \\ \square \; ((\lceil \textit{provided}(s_{21},1) \land j > 2 \land L = \tau_1; \; L \geq T_1 - \tau_1) \Rightarrow \\ (\tau_1 \leq L < T_1 - \tau_{r_{bland}}; \; \lceil available(r_{thared})\rceil \\ \land L \geq \tau_{r_{bland}}; \; \lceil rue \rangle) \; \text{and} \\ \neg \diamond (\lceil \textit{requested}(critical, 1) \land \textit{requested}(critical, 2)]; \; true). \end{array}$





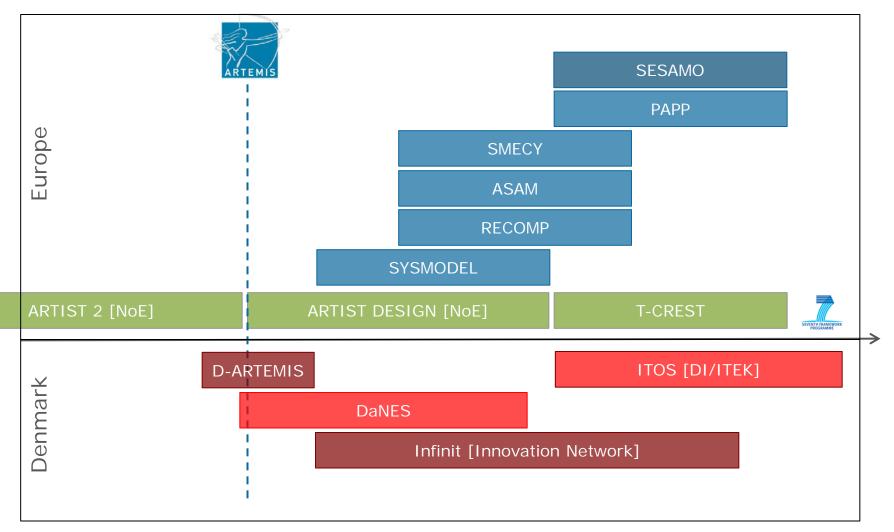


IT Security





DTU Informatics & ARTEMIS





Questions?

Thanks to Karin Tunder for the local organization

