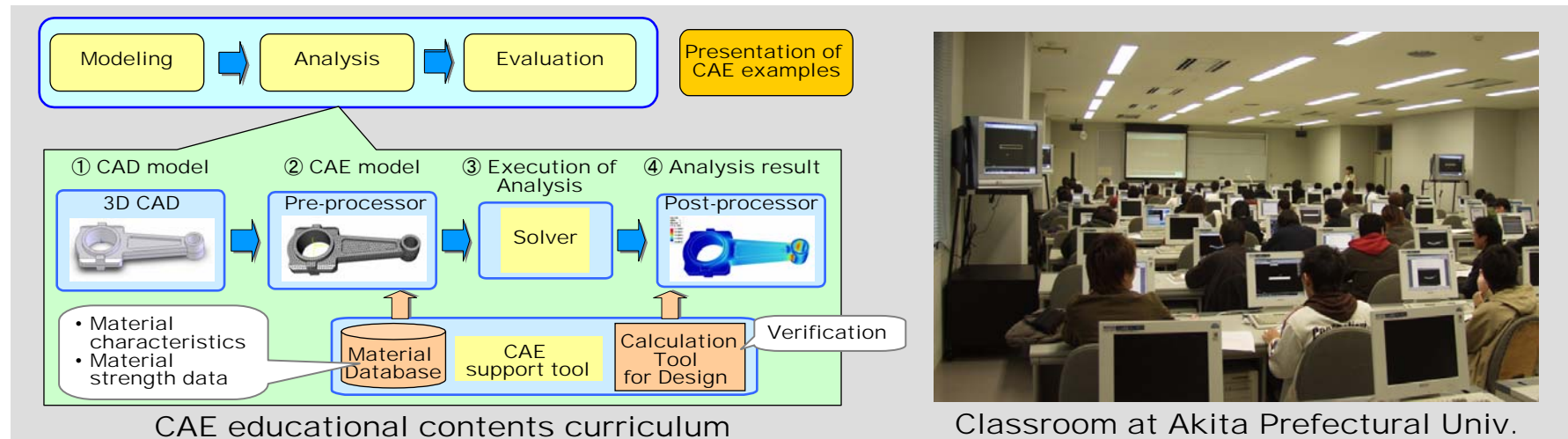


Release 2006/9/13

Development of CAD-CAE educational contents to promote practical skills in engineering graduates



Hitachi, Ltd. and Akita Prefectural University, have cooperated to develop CAD (Computer-aided Design) and CAE (Computer-aided Engineering) educational contents for mechanical engineering students, to produce engineering graduates with practical skills which can be put to immediate use. The educational contents not only include education on CAD/CAE technology, but also dispatching of working engineers from Hitachi to lecture on real-life applications of CAE in product development and how to apply simulation results to product design. Practical skills for actual product development are mastered by conducting, for example, stress analysis of elevator cars or the thermal stress analysis of solder joints in semiconductors using CAD/CAE.

Part of the contents developed will also be made available as "CAD/CAE education solution" to other domestic universities and technical colleges, through Hitachi's technology portal "[i-engineering](#)," to support CAD/CAE education in Japan and promote CAE-trained engineers who will play an important role in supporting Japan's MONOZUKURI technology in the future.

Results of this work will be presented at the Mechanical Engineering Congress (MECJ 2006) of the Japan Society of Mechanical Engineers, to be held at Kumamoto University in Kumamoto-shi, Japan, from 18th -22nd September 2006.