



Remote Laboratories

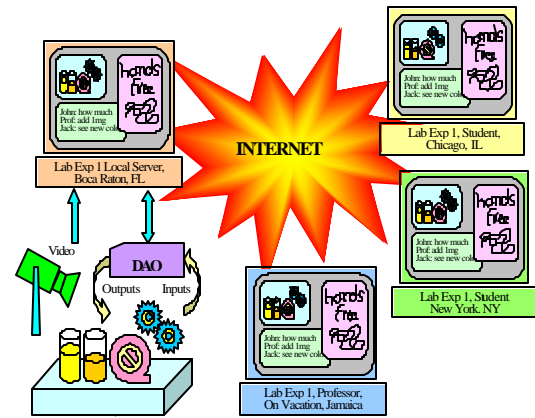
An innovative Leap in Creativity since 1998!

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Patent/Technology licensing is available through Jeanie McGuire (FAU OTT)

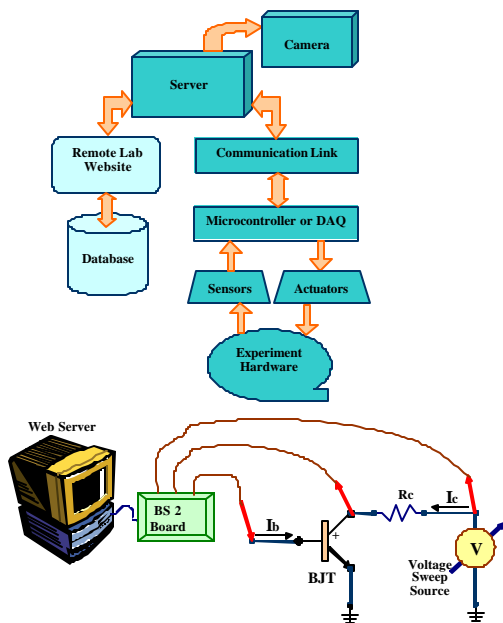
...being electrical, mechanical, physics, chemical, biological, or even your home appliances ... you just dream it, and FAU CADET will build your dream, try us ☺

Imagine performing an experiment by clicking away over the Net and seeing it all happen in front of your eyes! Imagine you do not have to attend busy laboratories any more, or perform a lab experiment in a university lab in China or a research lab in a company in the North Pole, Imagine a leap of creativity in distance education right here at FAU!



At the Center for the Advancement of Distance Education Technologies (CADET),

we use existing technologies, examine new technologies, research and develop new innovative distance technologies to create complete remote distance educational system solutions for all disciplines of learning; thus, fostering cognitive & intellectual skills in students. Hence, all designed experiments created at CADET are created with the purpose of stimulating and intensifying all domains of learning skills in students— creatively & at a distance. At CADET, Faculty members and researchers along with a top-notch graduate students, explore a mission impossible to bring virtual education as step closer to reality—to serve students in need and help FAU lead the information race in a fast changing digital globe.



Element Characterization Experiment (Electrical Engineering)

This is a simple example of our remote labs. Remotely, the student can plot the IV (current/voltage) characteristic graph of a Transistor to calculate its gain. Different hardware/software technology solutions are used to build this experiment. The Basic Stamp hardware technology and the Component Object Model software technology are integrated together to make this experiment available on-line. The IV values not only brought to the remote station, but also can be visually observed via the web camera.