

**EE/CpE 415/423 – 416/424
2001 Fall – 2002 Spring
WEEKLY STATUS REPORT**

Group No.: 27

Date: 11/04/02

Report No. : 6

Project Title: Remote Camera Control (RCC)

Group Leader: Dominik Hepp

Advisor: Bruce McNair

Sponsor/Client: LEKTRA/FLASHKON

Number of Hours Spent on Project by Group in Past Week: 48

Project on Schedule: YES

Weekly Status:

Since our first stepper motor came in this week, we started our first experiments as to getting it to perform basic functions. The MDrive17 connects to the PC RS-232 port through which it can be programmed using the IMS Terminal Software and operations guide. Since we got basic functionality out of the device already, we have started making plans to start working on our film advancement sequence program. We discussed the details about what this program should entail (accelerating and decelerating intervals at start end finish of exposure advancements for example) and discussed how we will lay out our program to be most efficient. Wednesday we will all come together with the goal finishing a first (alpha) version of the software (which will hopefully be the entire program to an almost finished state with the exception of the accurate number of steps required in the actual application of the camera since we can only specify this through doing tests using our alpha software). Furthermore we have contacted Two Technologies and will be ordering their PDS handheld device soon, we have researched this product and will probably have one of their representatives come up here to give us a presentation on the device. As discussed with our advisor, we have started thinking about how to get a simple model of what the final product would look like for presentation and our design issues and are currently communicating with a modeling company to possibly attain a professional model to work with. The drawings of the camera have been completed, which should facilitate putting it into reality. This weekend we had the chance to attend a Photo Express convention in the Jacob Jarvis halls in NYC. All the main photography/camera companies were present, which gave us a good chance to get a better feel of our market and competition and a good opportunity to take a look at ad get a hands on our competitor's products.