

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

Group No.: 27

Date: 11/11/02

Report No. : 7

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: 45

Project on Schedule: YES

Weekly Status:

This week we've been mainly focusing on the film advancement sequence controlled by the IMS MDrive17 stepper motor we received last week. After researching, then doing some trial and error on the device, we believe we have accomplished to get the logistics to work. The device has been programmed to function accordingly to our application demands, currently using virtual numbers in the program. Next we will attach a Rollei gear to the motor head, which will be driving the film rotation gear inside the Rollei film insert. This way we can start work on obtaining the exact number of steps needed for the advancement per 6x17 exposure (on a 220 film). Through Lektra we have also set a presentation on Wednesday 11/20/02 at which a Two Technologies representative will visit and go over their handheld PDS product. This could be interesting for other groups as well. After this visit, we hope to get our hands on one of the PDS handheld devices so we can start programming the handheld interface and integrate the achieved film advancement functionality into the PDS. At a later stage we will also be connecting an optical lens positioning and provide our customers with an interface to all Rollei LensControl S functionality, all through the same PDS handheld. We briefly discussed our wiring issues to enable the handheld device to communicate to the 3 separate components through the same serial connection. This week we'll be mainly focusing on economical deliverables due early next week and we will start researching the PDS programming possibilities so as to come prepared to the Two Technologies presentation and take full advantage of the opportunity to get as much out of that meeting as possible.