NEW SPUTTER TARGET REQUEST AND CHANGING PROCEDURES.

February 2015

CNF has purchased a new AJA sputter deposition system for three primary reasons.   First: it provides CNF lab users with the ability to sputter higher quality, more uniform films.   Second: with 3 targets in the CVC system, and 5 targets in the AJA system, this increase should provide easier access to sputter deposition during busy times when the CVC system was frequently over booked. Third: we need to reduce the total time spent changing sputter targets. To this end we are instituting a new target change policy.

AJA sputter targets will be changed only on Monday and Thursday. This will be accomplished by Tom Pennell, and will be arranged, and scheduled in advance through email requests to **both** Tom (Pennell@cnf.cornell.edu) and Jerry (drumheller@cnf.cornell.edu). AJA TARGET REQUEST RULES: For Monday target changes, email requests must be in No later than noon the Thursday before. For Thursday target changes, email requests must be in No later than noon the Monday before.

CVC sputter targets will be changed only on Tuesdays and Fridays. This will normally be done by Jerry, and for coordination purposes will be arranged and scheduled in advance through e-mail requests to **both** Tom (pennell@cnf.cornell.edu) and Jerry (drumheller@cnf.cornell.edu). CVC TARGET REQUEST RULES: For Tuesday target changes, email requests must be in No later than noon the Friday before. For Friday target changes, email requests must be in No later than noon the Tuesday before.

Note: Requests to have an existing target remain in the machine will be honored (if possible) at any time before the target change.

Note: When making reservations in Coral on either system, it is necessary to enter your target requirements in the "Process" field for that reservation. We will also try to keep the present and future target information as up to date as possible on the Coral schedule.

Target history along with which targets are scheduled to be installed are listed in a file called AJA-TrainedUsers-TargetChanges.xls in CNF AFS. Using Windows go to X:\shares\public\processes_from_cnf_staff\AJA and double click on the xls file. You could also, get to this file from the linux xterminal by typing:

ooffice /afs/cnf.cornell.edu/shares/public/processes_from_cnf_staff/AJA/AJA-TrainedUsers-TargetChanges.xls

Initially we will have a limit of one target change operation request per group per week.   For the CVC, this target change operation can include up to 3 new targets installed. For the AJA, the target change operation could include up to 4 new targets installed.

The procedure will evolve over time to best accommodate the global CNF community.