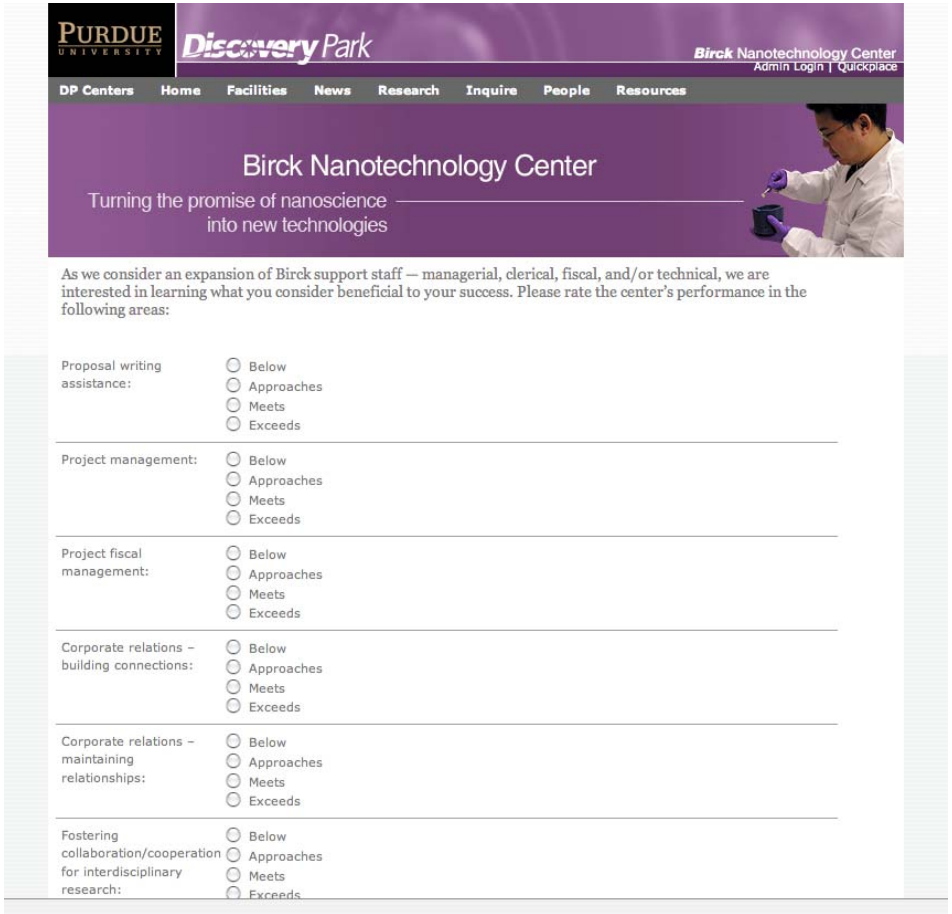
Agenda

- ***Updates***
  - *Support Survey (Jeff Goecker)*
  - *Lab Staff updates (Jennifer Monahan)*
    - *card reader*
    - *defective BOE update (March)*
    - *misc. facility info*
    - *new equipment*

- ***Birck Business***
  - *(Tim Sands)*

- ***Questions, comments, open discussion***
  - *(Everyone!)*

Support Needs Survey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Birck Nanotechnology Center
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Birck Nanotechnology Center

Turning the promise of nanoscience into new technologies

As we consider an expansion of Birck support staff — managerial, clerical, fiscal, and/or technical, we are interested in learning what you consider beneficial to your success. Please rate the center's performance in the following areas:

Proposal writing assistance:	○ Below ○ Approaches ○ Meets ○ Exceeds
Project management:	○ Below ○ Approaches ○ Meets ○ Exceeds
Project fiscal management:	○ Below ○ Approaches ○ Meets ○ Exceeds
Corporate relations – building connections:	○ Below ○ Approaches ○ Meets ○ Exceeds
Corporate relations – maintaining relationships:	○ Below ○ Approaches ○ Meets ○ Exceeds
Fostering collaboration/cooperation for interdisciplinary research:	○ Below ○ Approaches ○ Meets ○ Exceeds

- Collection of data via BNC website
- Will begin the week of 5/19/08
- Will measure needs in managerial, clerical, fiscal, and/or technical staff
- Secure login - Purdue career account

Card Reader System

The installation of the BNC Card Reader System has begun

- *Birck ID swipe cards will replace keys.*
- *Lab doors and Galley doors for each lab will still be paired.*
- *YES, the outside west entrance will have a swipe card entry.*

Tentative schedule:

- *2nd Floor West – April 14 – May 9 (completed)*
- *2nd Floor East – May 12 – June ?*
- *1st Floor West – June ? – July ?*
- *1st Floor East – July ? – August ?*

Staff Offices

Over the summer several staff offices will move

- *Annie Cheever will move to a reception area near the skywalk between Birck and Bindley.*
- *Ira Young has already moved to BRK 2251*
- *Engineering Staff will move from their current offices outside the cleanroom to the NW Suite (BRK 2287).*

Acid Supplier

BNC is switching chemical suppliers for stock acids

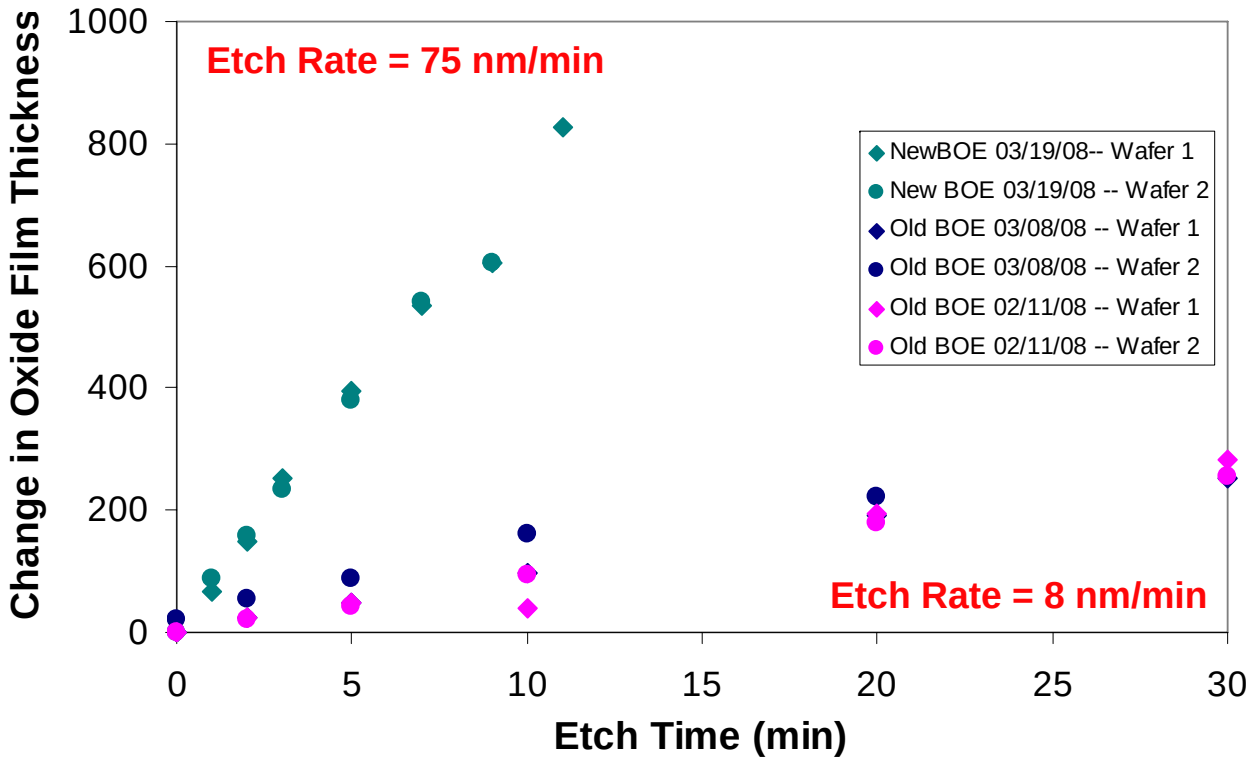
- *In February, our acid supplier ICR had an equipment malfunction and shipped a batch of BOE that was 10x too dilute.*
- *All faulty material has been pulled and was replaced with tested BOE lots dated 03/19/08 and 03/28/08*
- *Demands from BNC for more rigorous quality controls and documentation were unmet.*
- *BNC is phasing out ALL ICR materials and switching to **J.T. Baker** for all acid supplies (HF, BOE, H_2SO_4, HCl, HNO_3). The cross over will occur as each acid stock is consumed.*

Thanks to Anurag Garg & Sean Scott for alerting the BNC Staff of the problem.

Reminder

BNC does NOT conduct quality control experiments on stock chemicals. This is left to the individual researchers.

ALWAYS record lot numbers & report problems promptly. (INCLUDE data when reporting problems)



Misc Facility Items

- ***Do NOT move items from the common areas into laboratories! (i.e. trash cans or chairs)***
- ***PLEASE do not SLIDE furniture in hallways or atrium. The floor is getting damaged.***
- ***Sharps containers must have some indication of the content. (Trace Buffer, Trace Photoresist, etc)***
- ***Cardboard boxes must be clearly marked as "TRASH" and placed in the galley or hallway for the custodians to pick up.***

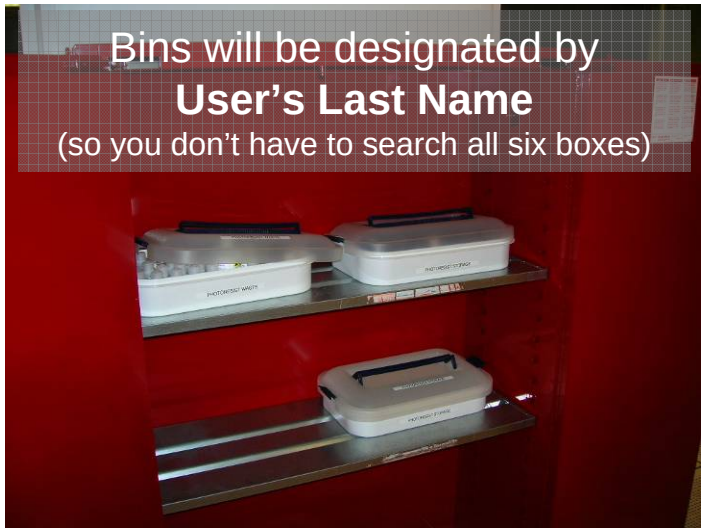
CR Vented Trash Cans

- ***Vented trash cans have been installed in the lithography bay of the Cleanroom.***
  - ***This should help alleviate solvent odor in Bay M & N***

Small P.R. Bottles

- ***Right now our lithography hoods are overflowing with small (often outdated) photoresist bottles.***

Misc Facility Items



- ***A designated storage cabinet for Photo Resist bottles has been set up in the C.R. (near the spill carts)***
- ***All bottles MUST be coded by the owner (stickers will be mounted in cabinet).***
- ***All bottles must be <u>re-coded</u> or <u>discarded</u> at the end of each semester.***

1 = Spring2008
2 = Summer2008
3 = Fall2008

- ***Bottom shelf has box for old bottles that you want sent for waste***

New Equipment

New equipment is posted on the BNC Website.

Recent additions include:

- ***Raith eLine (BRK 1239, Bill Rowe)***
- ***Panasonic E620 Etcher (C.R., Hasan Sharifi)***
- ***Protemp Horizontal Furnace (C.R., Dan Hosler)***
  - ***Wet / dry oxidation tube***
  - ***Polysilicon / nitride tube (coming soon)***
  - ***Low temp oxide tube (coming soon)***
- ***Pyrogenic Oxidation (C.R., Dan Hosler)***
- ***Mantis DC Sputterer (C.R., Dave Lubelski & Kenny Schwartz)***
- ***Ellipsometer (C.R., Dan Hosler)***
- ***Disco Dicing Saw (BRK 2261, Tim Miller)***
- ***Olympus Microscope (BRK 2261, Jennifer Monahan)***
- ***Electromask Upgrade (C.R., Jeff Grau)***

Coming Soon

Equipment Installs that are in Process

- ***Kurt Lesker E-Beam Evaporator (C.R. Dave Lubelski)***
  - ***limited material usage***
- ***General Use Spinner (BRK 2081, Lisa Reece & Jeff Grau)***

www.nano.purdue.edu → Facilities → Equipment