

# “PFC Status & Directions”

Jeffrey N. Brooks

Plasma Facing Components Steering  
Committee



PFC Meeting Urbana  
May3-5 2004

## **PFC Steering Committee**

Task: Guide work, priorities,  
budgets

Members:

J. Brooks (ANL) -Chair  
S. Berk -DOE

R. Bastasz (SNL)  
S. Luckhardt (UCSD)  
A. Hassanein (ANL)  
T. Rognlien (LLNL)  
D. Ruzic (UIUC)  
R. Maingi (ORNL)  
R. Majeski (PPPL)  
N. Morley (UCLA)  
M. Ulrickson (SNL)  
C. Wong (GA)

*A. Yacout (ANL)-Scientific Secretary*

# PFC Opportunities and Outreach Sub-Committee

Stan Luckhardt-Chair

Dick Majeski

Clement Wong

Dave Ruzic

**Identify and develop new sources of support for PFC R&D and broaden the visibility and role of the PFC technology team in the fusion program.**

# Communications

A) PFC Meetings 2/year

B) PFC Steering Committee – Conference call Monthly

C) PFC e-meeting, to be held once between "physical meetings", i.e. 2 e-meetings/yr.  
(~2 hrs/e-meeting)

D) Between-meeting Conference calls:

1) **Plasma/Edge- PMI Modeling**

(Brooks/Rognlien)

2) **PMI Testing** (Bastasz)

3) **Tokamak Experiments** (Wong)

4) **Heat Transfer/Fluid Flow** (Ngyren)

5) **ALIST- (Ulrickson/Majeski)**

Results from these conference calls to be summarized at the e-meeting.

PFC Web Site:

[http://fusion.anl.gov/ALPS\\_Info\\_Center/](http://fusion.anl.gov/ALPS_Info_Center/)

Webmaster: Bob Schmidt  
(ANL)

[bob@anl.gov](mailto:bob@anl.gov)

**send Bob by 5/7/04 your current  
presentation for posting**

# Programmatic Issues

- PFC program  $\approx$  1/2 ALPS, 1/2 solid-material work
- ALIST
  - NSTX “Module A” (static lithium) concept developed and prioritized. Module B (flowing lithium) is later concept.*
- ITER
- MHD

# Agenda

## Monday

- Session 1: PFC Opening Session
- Session 2: Plasma Edge/PMI Modeling Group, Part A mostly plasmas (J. Brooks, T. Rognlien, Chairs)
- Session 3: ITER PFC Needs and Responses Discussion Session (T. Rognlien, M. Ulrickson, Chairs)
- Session 4: Tokamak Experiments (C. Wong Chair)

## TUESDAY

- Session 5: PMI Testing (R. Bastasz, Chair)
- Session 6: Plasma Edge and Plasma/Material Interaction Modeling Group, Part B-mostly materials (J. Brooks, T. Rognlien, Chairs)
- Session 7: Heat Transfer and Fluid Flow (R. Nygren Chair)

## WEDNESDAY

- Session 8: PFC Committee Report
- Session 9: SBIR/STTR (D. Youchison Chair)
- Session 10: ALIST (M. Ulrickson R. Majeski, Chairs)
- Session 11: PFC Discussions/Wrap-up