

# 2004-05 UEC Report

- Who/What is the UEC
- Overview of activities
- DC trip 2005
- Change to Users' Organisation Constitution
- Summary



William Trischuk  
UEC chair  
June 8, 2005

## UEC's Purpose

- Provide a forum to discuss users concerns at the Lab
- Feedback to the lab on scientific and administrative matters
- Gather information and disseminate it to the community
  - Monthly meetings: Q&A with the Lab Director
  - Reports/updates from various UEC subcommittees
  - Presentations from various Lab constituencies
  - Representatives of the Graduate Students Association also attend
  - Communicate with users:monthly minutes and FNAL-Today
- Organise annual trip to Washington and Users' Meeting
- Interface with other UEC-like organisations around the country

## UEC Membership

- Six members elected each year, to two-year terms
- Current membership includes:

Andrew Alton (Michigan)  
Marina Artuso (Syracuse)  
Iain Bertram (Lancaster, UK)  
Ken Bloom (Nebraska)  
David Finley (Fermilab)  
Erik Gottschalk (Fermilab)  
Sharon Hagopian (Florida State)

Richard Hughes (Ohio State)  
Mark Messier (Indiana)  
Hogan Nguyen (Fermilab)  
Simona Rolli (Tufts)  
Hirohisa Tanaka (Princeton)  
William Trischuk (Toronto, CA)

- Graduate Student Association (GSA)

David Clark, Katherine Copic, Ioannis Katsanos,  
Jennifer Pursley, Sinjini Sengupta

- Secretary: Hirohisa Tanaka
- Webmaster: Simona Rolli

## The UEC Perspective on the Lab in 2004/05

- A very good year for the laboratory
  - The Tevatron is performing well !
    - \* Luminosity records are now routine
    - \* Have followed optimistic  $\mathcal{L}$  projections for two years
  - MiniBooNE achieved near-design proton currents
  - MINOS is getting first beam
- What is next?
  - The mid-range programme – Neutrinos ?
  - Longer-term future Proton driver ?
  - Defining the Lab's role for the ILC
- International participation in lab activities
  - Site security
  - Visas for foreign collaborators

## Topics of Discussions at UEC Monthly Meetings

- Tevatron
  - Vladimir Shiltsev (Tevatron Status and plans) October 2004
  - Jeff Spalding (Tevatron Run II Upgrade Plan) November 2004
  - Elvin Harms (Pbar source improvements) February 2005
- Proton Source/NUMI
  - Eric Prebys (Source Performance and Plans) September 2004
  - Rob Plunkett (MINOS) March 2005
- Proton Driver
  - Bill Foster (Proton Driver Machine Plans) November 2004
  - Steve Geer (Physics for the Proton Driver) December 2004
- Linear Collider
  - Steve Holmes (Report from KEK-ILC meeting) February 2005
  - Updates from the Director
- Other Activities
  - Brenna Flaughner (The Astrophysics Center) April 2005
  - Sacha Kopp (Users' and Accelerator R&D) May 2005
  - Avi Yagil (The LHC Physics Center) May 2005
  - Marcela Carena (Theory Initiatives at the Lab) May 2005

## Community Discussions at UEC Monthly Meetings

- National perspectives on HEP
  - William Trischuk (September HEPAP Meeting) October 2004
  - David Finley (February HEPAP Meeting) March 2005
  - Tim Meyer (EPP2010 goals) April 2005
- Quality of Life Issues at the lab
  - Vicky White (Computing and Security at the Lab) October 2004
  - Bill Flaherty (Security Issues) November 2004
- Tutorials
  - Bruce Chrisman (Visa Issues for Scientists) October 2004
  - Judy Jackson (Public Outreach) December 2004

## Issues of Interest to the Users

- Have carried out three surveys of the users community
  - Foreign Users Feedback (Rolli, Artuso, Bertram, Finley)
  - On-site Quality of Life Survey (Alton, Hagopian, Messier, Bloom)
  - Career satisfaction survey
- Visas for foreign users at FNAL
  - Encouraged all users to participate in this survey
  - Number of responses and problems, down from last year...
  - Prepare a report for feedback to DOE, URA, foreign collaborators
- Quality of Life Survey
  - Looked at housing, cafeteria, transportation
  - Bikes for on-site transportation
  - Activities: Career night, U-TeV, plan a 'jobs fair'

## Joint UEC/SLUO DC-trip Planning Meeting

- For the past few years have organised a joint UEC/SLUO trip to DC
- Have held preparation meeting – this year in January at Fermilab
- Twelve members of the SLAC users organisation came to Chicago
  - Full day of discussions
- Speakers included:
  - Witherell, Oddone
  - Jackson, Fulton, Burke
  - Herman White, Zimmerman, Gottschalk
- Spent about two hours doing role playing meetings/interviews
- Gave SLUO guests tours of CDF/D0 and MiniBooNE



## DC-trip Summary

- Gottschalk, Artuso, Finley, Hagopian, Hughes, Nguyen and Tanaka
- Visited Washington from March 16-18
- 16 URA sponsored participants from Fermilab
- Visited 134 offices focused on
  - Members of house and senate science committees
  - Members of the respective appropriations committees
- Also had
  - Meetings with members of the House Science subcommittee
  - Meetings with representatives of OMB/OSTP
  - Debriefings with DOE and NSF HEP staff
- This year we concentrated on
  - Long term funding necessary for our endeavours
  - Training of innovative students and postdocs
- Got the clear messages that
  - scientific planning is being centralised
  - funding outlook is bad next year but also the of the rest decade

## The Users' Meeting

- Organised by Bloom, Hughes, Messier, Nguyen, Rolli and Tanaka
- Especially want to thank Dianne and Barb
- Talks on
  - Projects underway (eg. MINOS, CDF, D0, MiniBooNE)
  - Perspectives from outside the lab
  - Outgoing and Incoming Directors
  - Student thesis award and postdoc award
- Dinner and Festa Italiana this evening
  - See also the Enrico Fermi exhibit in the atrium
- Followed by GSA “New Perspectives” meeting

## Constitutional Amendment

- Recurring theme at UEC meetings this year

The composition of the research programme at the Lab is changing

- Ensure UEC remains representative of the Users'
- We suggest a change to the Organization's constitution is necessary
- Have consulted on the wording with
  - Members of the UEC
  - Representatives from LPC, Astrophysics group, ILC groups
  - Users' involved in accelerator development at the lab

## **Constitutional Amendment**

**June 19, 1981**

**June xx, 2005**

### **CONSTITUTION**

#### **The Fermilab Users Organization**

**This is an organization of scientists and engineers currently engaged in high energy physics who anticipate substantial involvement in the accelerator facility and the experimental program at the Fermilab accelerator. This is an organization of scientists and engineers currently engaged in advancing our understanding of the nature of matter and energy. These Users anticipate needing significant resources from the Laboratory to conduct basic research in particle physics, astrophysics, the development of accelerators and their inter-relationship. Its purpose is to provide a forum for discussion of scientific and administrative matters relevant to the organization and construction functions of the Laboratory. In particular, it should play an important advisory role in determining the relationship of outside Users to the facility Laboratory and the support they will have in implementing their experimental programs.**

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- Requires 2/3 of members who vote (by email) to approve
- Will go out to full membership in next few days

Deadline for votes 4:00pm June 17, 2005

## Summary

- The UEC has had an active year
- DC-trip occurred at an interesting time
- Looking forward to a successful Users' Meeting
  
- Continuing to
  - Follow the evolution of the Lab's physics programme
  - Ensure access to the site/science for foreign users
  - Improve the user experience at the Lab
  
- Need to consider how our mandate is evolving with that of the Lab