

## **Appendices**

## **Cooperative Interactions with Fermilab**

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### **How to Interact with Fermilab**

The best way for industry to interact with Fermilab is to join the Fermilab Industrial Affiliates. The purpose of the organization is to serve as a two-way street for dialog. The good old-fashioned way to interact, where the laboratory and its vendors work together to satisfy a programmatic need, still works. Successful bidders for Fermilab contracts often gain useful experience and the Laboratory gains from vendor expertise. In addition, there are a number of more formal mechanisms (Cooperative Research and Development Agreements, Personnel Exchanges, Intellectual Property Licenses, Work for Others Agreements, etc.) for structuring laboratory/industry interactions.

Small business firms that want to interact with Fermilab may be able to benefit from the Small Business Innovation Research Program or the Small Business Technology Transfer Program. Both programs have been specifically designed and funded to encourage small technology-based companies.

Occasionally Fermilab receives “modest” requests for technology. Typically these involve individual circuit board layouts, technology items that will not be patented or copyrighted, or access to some special measuring equipment. These requests are handled on a flexible and timely direct cost recovery basis.

The various ways to interact with Fermilab are listed at the end of this section in a box on page 58.

The Stevenson-Wydler and Bayh-Dole Acts (PL96-480 and PL96-

517), as amended, enable Universities Research Association, Inc. (URA), the organization that operates Fermilab for the U. S. Department of Energy (DOE), to claim rights in inventions developed at the Laboratory. URA has claimed rights in several inventions that we believe have commercial potential. We are actively seeking profit-making organizations interested in entering into royalty-bearing licenses for those patents. Similarly, URA may request DOE approval to register copyrights for software packages developed at Fermilab, and may then license that software to companies interested in bringing these programs to the marketplace.

The Fermilab Intellectual Property Licensing Program is designed to recognize that our technologies have a real value in the marketplace and to capture some of that value to share with our inventors and software authors. If you have a customer need that we can help you fill by licensing, please let us know.

By now, most business people are aware that the National Competitiveness Technology Transfer Act (NCTTA, PL101-189) enables Department of Energy laboratories like Fermilab to negotiate and enter into CRADAs. CRADAs provide both the laboratory and its industrial partner opportunities to leverage manpower, facilities, and financial resources while carrying out a project of mutual interest. These agreements include addressing who will own the rights to any intellectual property created (patent or copyright) and the protection of proprietary information brought to the project or created during the project.

The intent, of course, is that the CRADA program will provide an effective mechanism for “bridging the gap” from where a DOE-funded R&D program at Fermilab has brought a promising technology to the point that a company will be willing to pursue commercialization on its own. The intent, as for all our technology transfer activities, is to do what we can to enhance U.S. industrial competitiveness.

We believe that opportunities for cooperative programs exist throughout the Laboratory. Of course, the development of a particular opportunity depends on the mutual benefits to both the industrial partner and Fermilab. At Fermilab the benefit has to come at the division and section level so that these relations must be established and worked out by individual organizational groups within the Laboratory.

In the end, it is a truism that cooperative programs are a two-way street. The first step in forming a partnership is in beginning the dialog that leads to the identification of mutual interests. If you are interested in working cooperatively with Fermilab, please call or write the Office of Research and Technology Application at (708) 840-3333, M.S. 200, Box 500, Batavia, Illinois 60510-0500. The fax number is (708) 840-8752. ❖

### **Ways to Interact with Fermilab**

1. Membership in Fermilab Industrial Affiliates
2. Patent and Copyright Licensing
3. Cooperative Research and Development Agreements (CRADAs)
4. Industry-Laboratory Personnel Exchanges
5. Contracts and Procurements
6. Modest Requests for Technology
7. Work for Others Agreements
8. Individual Consulting
9. Small Business Innovation Research Program (SBIR)
10. Small Business Technology Transfer Program (STTR)