

NATIONAL SCIENCE FOUNDATION



MATCHMAKER PROGRAM

TECHNOLOGY PROSPECTUS

FY 2004-08

SMALL BUSINESS INNOVATION RESEARCH (SBIR) &
SMALL BUSINESS TECHNOLOGY TRANSFER RESEARCH (STTR) PROGRAM

www.nsf.gov/eng/iip/sbir



I am pleased to offer all potential investors our portfolio companies for your consideration. These small businesses are conducting leading edge research in advanced technology areas including biotechnology, electronics, information technology, advanced materials, manufacturing, and chemical processes. Abstracts of research along with contact information are grouped by technology areas. I sincerely believe you will find in this portfolio, high quality researchers pursuing excellent business opportunities.

We at NSF are offering you a service to match your interest with those small businesses that have expressed interest in seeking investors and strategic partners. This is referred to as MatchMaker. Enrollment requires a simple email. Details regarding enrollment appear in the introduction page. Meanwhile, you are welcome to contact them directly if you wish.

I hope you will take advantage of this opportunity to get to know small businesses supported by NSF with exciting technologies with potential for commercial use.

Dr. Kesh S. Narayanan
Director Industrial Innovation & Partnerships
National Science Foundation

MATCHMAKER PROGRAM PROSPECTUS BOOKLET

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MatchMaker Program Technology Prospectus

Introduction

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer Research (STTR) Program stimulates technology innovation in the private sector by transforming the federally supported research into commercial application leading to wealth creation and societal benefit. NSF is one of ten federal agencies supporting the SBIR/STTR Program. NSF manages over 400 research grants annually to small business firms with an annual R&D investment of over \$100 million each year. These grants are competitively selected for their high-risk technological challenges and high potential for commercial applications. In all, less than 20% of all applicants are selected for research towards commercialization.

The research areas of the SBIR/STTR Program cover a broad range of topics in

- Biotechnology,
- Electronics,
- Information-Based Technology,
- Advanced Materials, Manufacturing and Chemical Processes.

To achieve a robust ROI on federal investment, NSF has launched a new initiative called the MatchMaker Program. The primary intent is to create a win-win opportunity for investors/strategic partners and NSF funded small business firms. It is intended to help potential investors and strategic partners identify these companies whom they wish to invest in or partner with based on the technology being pursued. Typically, NSF has managed research conducted by each small business firm for at least 3 years. Therefore, NSF is in a strong position to identify the small business firms that best match the interest of investors and strategic partners.

This MatchMaker Program Technology Prospectus catalogues over 500 technologies NSF has invested in through the SBIR/STTR Program in fiscal years covering 2004 through 2008. In addition, the name of the company and principal investigator performing the research is included for ease of contact.

The NSF SBIR Program is presenting a unique investment opportunity by introducing you to pre-selected, high technology emerging businesses in our portfolio that have each secured nearly \$1 million dollars to develop and advance their early-stage, cutting edge research.

We welcome active participation from Venture Capital Firms, Angel Investors and Strategic Industrial Partners and encourage you to sign up in the MatchMaker Program to take advantage of this unique investment and partnering opportunity.

MatchMaker Enrollment

To participate, please send us an email at SBIRmatch@nsf.gov with the following information about your organization:

- Organization Name
- Organization Contact Person
- Phone Number, Email and Mailing Address
- Web-Site Address
- Technology Preference
- Regional Preference
- Range of Typical Investment
- Stage of Typical Investment

For additional information, please contact

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