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# Mathematics Opportunities

## COBASE Collaborative Grants

With funding from the National Science Foundation (NSF), the Office for Central Europe and Eurasia of the National Research Council, the operating arm of the National Academies, offers grants to individual American specialists who plan to establish new research partnerships with their colleagues from Central/Eastern Europe (CEE) and the Newly Independent States (NIS). This program is designed primarily to prepare these new partnerships for competition in NSF programs. Although proposals are accepted for collaborative research in all fields of basic science supported by NSF, this year the Collaboration in Basic Sciences and Engineering (COBASE) program has added three topical focus areas in which applications will be given special priority. One of these areas is mathematics.

*Project Development and Initiation Grants* support American specialists who wish to host and/or visit their CEE or NIS colleagues in order to initiate research projects and prepare collaborative research proposals for submission to NSF. U.S. applicants may request support for up to two visits in either or both directions (i.e., either traveling to CEE/NIS or hosting a colleague from the region here in the U.S.), with the total combined duration of the visit(s) not to exceed eight weeks. Each individual visit proposed must be at least two weeks (10–14 days) in length. Grants will be in the range of \$2,500 to \$10,000.

Participating countries: Armenia, Azerbaijan (traveling only), Bosnia (hosting in U.S. only), Bulgaria, Croatia, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, (Former Yugoslav Republic of) Macedonia, Moldova, Poland, Romania, Russia (see website for updated list of ineligible partner institutions), Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

Eligibility: All applicants must: (1) be U.S. citizens or permanent residents; (2) be affiliated with U.S. universities or other nonprofit research institutions; and (3) possess Ph.D. degrees or equivalent research experience. Foreign counterparts involved must possess CEE/NIS citizenship, be

permanently employed at CEE/NIS institutions, and hold Ph.D. (kandidat) degrees or research training and experience equivalent to a doctoral degree. Employees of private companies and the U.S. government generally are not supported under the COBASE program. Each set of partners may receive no more than one COBASE grant, and each individual may be involved in no more than two grants in a four-year period. Generally, those who hold a current NSF grant and are eligible for an NSF international supplement should not apply to this program. NSF's Central and Eastern Europe Program staff (telephone 703-292-8703) can advise regarding applications for NSF international supplements. *However, for projects in the three special topical areas (including mathematics), applicants with current NSF support are eligible to apply.*

*Special Opportunities for Junior Investigators:* American applicants who have received their doctoral degrees within the past ten years will receive special consideration. The COBASE program allocates at least 25 percent of its grants to researchers in this category in order to encourage beginning investigators to become involved in international collaboration.

Collaborative proposals involving any field of mathematics are welcome, including but not limited to algebra and number theory, analysis, computational mathematics, geometric analysis, statistics and probability, and topology and foundations. Projects in applied mathematics involving collaborations with specialists from other fields such as the biological, computer, and environmental sciences are also encouraged. Collaborative research proposals involving the modeling of complexity are particularly welcome.

The postmarking deadline for proposals is **April 15, 2002**. For application forms and instructions, visit the website <http://www.nationalacademies.org/oia/>. For more information, telephone 202-334-2644, send a fax to 202-334-2614, or e-mail: [occe@nas.edu](mailto:occe@nas.edu).

—From a National Academies announcement

## IAS/Park City Mathematics Institute

The Institute for Advanced Study (IAS)/Park City Mathematics Institute (PCMI) will hold its 2002 summer session June 30–July 20, 2002, in Park City, Utah. The research topic is automorphic forms and applications. The organizers are Peter Sarnak (Princeton University) and Freydoon Shahidi (Purdue University). The education topic is knowledge of mathematics for teaching.

The IAS/PCMI began in 1991 at the University of Utah as a National Science Foundation Regional Geometry Institute. In 1993 the Institute for Advanced Study assumed sponsorship of the program. Each summer the PCMI offers an integrated set of programs for researchers, postdoctorates, graduate and undergraduate students, and teachers.

Further information on the summer program and other IAS/PCMI activities, as well as on application procedures, is available at the website <http://www.admin.ias.edu/ma/>.

*—From an IAS/PCMI announcement*

MATHEMATICS OPPORTUNITIES