



Institute For Pure and Applied Mathematics University of California, Los Angeles

presents a special Undergraduate Program

Research in Industrial Projects for Students (“RIPS”)

June 27, 2004 – August 27, 2004

The Institute for Pure and Applied Mathematics is pleased and excited to sponsor a special program, Research in Industrial Projects for Students (RIPS), based on the successful Math Clinic concept that originated at Harvey Mudd College in 1973 as well as the well established Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation. In the RIPS program, teams of students, directed by faculty advisors, work to solve industry-related problems. RIPS brings together highly qualified undergraduates in mathematics or related majors with sponsoring industry, government, and nonprofit organizations to collaborate on projects. Each team of three to five advanced students spends two summer months (Jun 27 - Aug 27) working on a problem posed by the sponsoring organization under the leadership of a faculty advisor. At regular intervals during the two-month period, oral and written presentations reporting on the progress of the team are made. Company liaisons have frequent interactions with the team and faculty advisor, monitoring and helping to guide the work effort. Projects will focus on problems of serious interest to the sponsor and challenging solutions to the students. Participation in RIPS will provide valuable real-world technical and managerial experience for the students and valuable R&D for the sponsor. The structure of the project will vary based on sponsor need and available resources. Please go to our website (www.ipam.ucla.edu/programs/rips2004) for comments and project work statements from the last two years of RIPS.

We strongly encourage inquiries from interested undergraduates, faculty advisors and sponsoring organizations for Summer 2004. Faculty mentors and sponsoring organizations can email us to express their interest. An online application for participants is available on our website. If you have any program related questions, please send an email to rips2004@ipam.ucla.edu.

***For more information please visit our website:
<http://www.ipam.ucla.edu/programs/rips2004>***