RIPS
Research in Industrial Projects for Students

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MAA MathFest 2007
August 5, San Jose
RIPS Teams 2004
(courtesy of IPAM)

Figure: IPAM director Mark Green at right
RIPS Teams 2005
(courtesy of IPAM)

Figure: RIPS director (me) at right of back row
The RIPS Session—Nine Weeks of Summer

- now in 7\textsuperscript{th} year (Raugh director since inception)
- 36 students from 300 applicants
- 33\% foreign students
- teams of 4 students and 1 faculty mentor
- all 9 teams in IPAM building at UCLA
- 1 sponsoring mentor per team
- students housed on UCLA campus in beautiful West Los Angeles
Rites of Passage

• (Before Summer, students receive invitation, RIPS Manual, and team assignment—Managed by IPAM Admin with help of sponsors)

• Opening Day—sponsor presentations, introductions

• weeks 1-2—select project managers, prepare Work Statements (WS)

• weeks 5-6—mid-term presentations/reports

• week 8—Projects Day Presentations

• week 9—Final Reports, Software & Documentation

• Closing Ceremony
**Director’s Key Management Tools**

- initial meeting with sponsors—importance of regular contacts, role of WS, student will manage project
- **explicit written norms** for Project Manager, Work Statement, Presentations, Reports
- weekly meetings with Faculty Mentors, Project Managers
- weekly review of schedule and progress
- collaborative trouble-shooting
- open critiquing of practice presentations—peer participation and encouragement promotes excellence
- careful editing of report drafts
Invitation—Y’all come!

PROJECTS DAY

The gala RIPS Culminating Event
(student presentations, complimentary buffet lunch)

Friday, August 17, 2007
Time: 8:00 AM - 6:00 PM
Location: UCLA, IPAM Building, Room 1200

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