

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 7th year (Rough 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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Director of RIPS Program
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