Marine Technology Society

- Founded in 1963
- Members from academia, government and industry
- Hosts several conferences annually
- Publishes journal & newsletter
- Technical committees
- Regional sections
MTS - San Diego Section

- Monthly meetings with speaker
- Electronic newsletter
- Science Fair awards
- High School ROV competitions
- Student model boat competition
- Intern Program
MTS Student Intern Program

- Ten year history
- 160 student participants to date
- Open to exceptional high school juniors & seniors
- In public & private schools, county-wide
- Full-time, for six weeks
- Hosted by company or institution
- Paid $1920 stipend - minimum wage for the time spent
Past Hosts

- BAE Systems
- Biospherical Instruments
- Kongsberg-Simrad
- DeepSea Power & Light
- Diving Unlimited Intern.
- Fugro Pelagos
- Hubbs - Sea World
- InterOcean Systems
- Survival Systems Intern.
- Lockheed-Martin
- Merkel & Associates
- Nautronix
- NOAA
- Oceaneering
- RD Instruments
- SAIC
- Scripps Institution
- SeaBotix
- SeaCon Brantner
- Sontek YSI
- Sidus Solutions
Participants:

- Corporate/host
- Mentor
- Student
- MTS

Each has benefits & responsibilities.
Benefits: Corporate/host

- Community service
- Recognition
  * their own newsletter
  * Society newsletter
  * name on flyer
  * newspapers??

- Quality work for little cost
**Benefits:** mentor

- community service
- recognition
  - * their own newsletter
  - * Society newsletter

- being “energized” by a young person
Benefits: student
← hands on experience
← technical/career advice
← employment/workplace skills
← $$'s
**Benefits:** MTS

- community service
- recognition
**Obligation/responsibilities:**

**Corporate/host**

- 1) find mentor...someone enthusiastic & good w/ kids
- 2) pay stipend ($1920)
- 3) recognition dinner ($100)
- 4) provide materials if necessary
Obligation/responsibilities: mentor

↩ 1) introduce student to work environment
↩ 2) teach proper work etiquette
↩ 3) find MEANINGFUL projects, tasks, assignments for students that involve science, math, computers, etc.
↩ 4) be available to answer questions related to the work, the profession, colleges, etc.
↩ 5) have fun
Obligation/responsibilities: student

1) Work hard for a total of 240 hours (6 wks x 40 hrs/wk) at the direction of the mentor

2) Follow all rules required by the host

3) Make an extra effort to know the people in the workplace

4) Written/oral presentation at conclusion???

5) Letters of appreciation to host/mentor
Obligation/responsibilities: MTS

1) recruiting of quality candidates from SD County high schools
   * advertising thru school channels
   * collecting applications
   * screening applicants
   * assist corps/hosts with selecting

2) makes contacts to ensure “things are going well”

3) arranges an awards dinner for all participants
“Targeted” students:

- at least 16 (work permits)
- going to be 11th, 12th
- exceptional students….the BEST!!!
Timeline:

- **Dec 10**: flyer/applic mailed and posted on website too
- **Feb 1**: applications due/ application screening by committee
- **Feb 1 - June 1**: corp’s/hosts review applications /interviews/selection
- **July 1**: internships begin
Past Student Projects

- Internet based research
- Web interface development
- Measurement of underwater light beam patterns
- GPS antenna design
- Collecting and running experiments in kelp beds off of La Jolla cove
- Drawing schematics in AutoCad
- Soldering together light arrays for video cameras on ROVs
- Quality testing, documenting, and writing tutorials
- And many more!!
Sponsorship Program

For organizations who want to contribute but cannot host a student

Contribute stipend for one or more students

Host will be non-profit organization such as Scripps Institution of Oceanography
Past Sponsors

- Teledyne Impulse
- MTS National
- MTS San Diego
- Ocean Sensors
- Teledyne RDI
- Unified Port of SD
- AUVSI
- various individuals