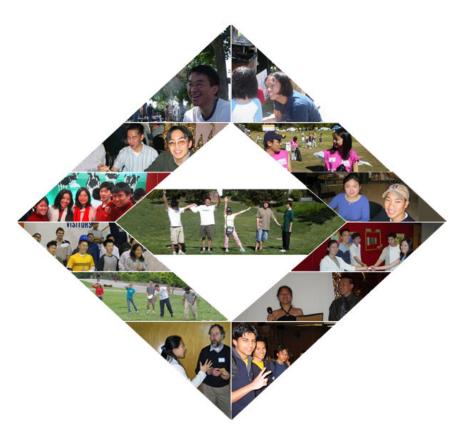
# Eta Kappa Nu Mu Chapter



Annual Report 2003-2004

## Eta Kappa Nu, Mu Chapter: Annual Report, 2003-2004

## Tanya Gordeeva

Mu Bridge Committee, Fall 2004

Li Li

Mu Bridge Committee, Fall 2004

Shi-Hua Teh

Mu Bridge Committee, Fall 2004

Alan Wei

Mu Bridge Committee Head, Fall 2004

Bridge Committee Eta Kappa Nu, Mu Chapter 290 Cory Hall UC Berkeley Berkeley, CA 94720 Tel.: (510) 642-7346

Email: bridge@hkn.berkeley.edu

BRIDGE Magazine Eta Kappa Nu Association P.O. Box 3535 Lisle, IL 60532

Dear BRIDGE Editors,

On behalf of the Mu Chapter of the Eta Kappa Nu Association at the University of California-Berkeley, we proudly submit the attached report of our chapter's activities and accomplishments during the 2003-2004 school year. Our chapter is amongst the most active groups on Berkeley's 33,000-student campus. In addition to maintaining the numerous services that our chapter has historically provided, such as daily tutoring, exam files and course surveys, we also continually strive to expand the range of activities and services that we involve ourselves in.

This past year, we have improved our chapter in several ways. The Industrial Relations Committee has become more active, organizing more corporate information sessions with a greater range of companies and also maintaining good working relationships with these firms. Also, we have been encouraging members to assume a more active role in the chapter—a good number of members offered their services for tutoring and took care of logistics for the Career Fair, amongst numerous other activities that the Mu Chapter organizes. In addition, our chapter has implemented a new course survey system, which was written as a freely distributed open source project by one of our officers. The system, very popular with the department and students, is more robust and easier to use than ever. In fact, it has even been deployed at other schools such as Colorado State.

For your convenience, our activities are split into four main categories:

- "Service," covering our activities to benefit the general student body, our department and college, and the surrounding community,
- "Outreach," covering our efforts to connect with groups that we can interact and learn from our alumni, other HKN chapters and other Berkeley engineering societies, and industry.
- "Social," athletic and mixer social events created to uphold chapter morale and help Mu Chapter members, candidates and officers bond while taking a break from their studies.
- "Official Business," the standard events and ceremonies needed to run and perpetuate the chapter.

For an overview of all our activities, you may skim the first page of each section, or read the report in its entirety for a more thorough view of each event. A calendar of our events from the past year is provided in the back for your reference. The Mu Chapter cordially invites you to take a look into our chapter through this report in hopes that you may understand why our chapter is so well respected in our department, why our members are very dedicated to keeping the chapter so active and why we continue to grow every year.

Sincerely, The Mu Chapter Bridge Committee	
Tanya Gordeeva	LiLi
Shi-Hua Teh	Alan Wei

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HKN Mu Chapter involves itself in numerous activities, but amongst them, the services that we provide to the Berkeley EECS Department, the EECS student body and the greater surrounding community are particularly close to our hearts. In the past year, we continued to provide our most well-received services, such as free tutoring, course surveys, GRE review sessions, donut runs and exam files. We also added class study sessions, where students can gather and prepare for upcoming midterms together. In addition, a new course survey software was developed – this new addition is highly popular with the EECS department and student body because it is cleaner and far easier to user interface. Apart from this, the Exam Files officers have also been very diligent the past two semesters – they were able to clear the backlog such that all the paper exams that we had been holding on to have been converted and put up online.











#### **Spring Fair at Emerson Elementary**

It was a warm Sunday morning when the Mu Chapter helped out at Emerson Elementary School's annual Spring Fair. Members and candidates set up and ran booths, which were targeted mainly towards elementary school students. Together with their parents, the kids would play games and earn attractive prizes. One of the more popular games involved tossing ping pong balls into cups of water that are placed about 1.5-2 meters away from the children. If the child succeeded, he or she was awarded a goldfish! Apart from being a fundraiser, the Spring Fair was an excellent opportunity for HKN members to contribute to the local community and interact with the younger generation, something that is somewhat rare in college.

#### **Trailhacking**

The Mu Chapter has been volunteering with the Trail Center of Santa Clara County since the summer of 2000. Several days over the past year, HKNers began work at the crack of dawn to maintain and "hack" new trails of the Arastradero Preserve in Palo Alto - a community favorite for hiking, biking, and horseback riding. This year the Mu Chapter helped to reconstruct switchbacks to prevent trail erosion.

"I sure wouldn't want to lose their [HKN's] support. They're a very helpful group."

— Jeanne Schmitt, Trail Center





Daisy Lee and Rupert Chen work diligently on making a new trail.



#### **Berkeley Food and Housing Project**



Fall 2003 candidates Michael Matsumura, Cindy Song and Erik Diep marveling at the beauty of an unwound roll of stamps.

A long time supporter of the Berkeley Food and Housing Project, HKN continues to remain active at the center of an effort to solve the widespread problem of homeless families and individuals. HKN members have helped to alleviate the problem of hunger through a variety of events. Some events in which Mu Chapter members participate are serving food at local churches and also putting on large envelope-stuffing and mailing sessions to raise money from the surrounding community.

#### **Breast Cancer Walk**

The Mu Chapter supported the efforts of the American Cancer Society to increase public awareness of the need to address and fight breast cancer. At the annual Making Strides Against Breast Cancer event, HKN volunteers were pretty in pink as they made sure the event ran smoothly and kept clean. Mu Chapter volunteers also provided refreshments and moral support as they cheered on walkers in their efforts to raise funds for cancer research.



HKNers Angel Chao, Kevin Lin and Vincent Liu enjoy some sun as they pick up trash at the annual Breast Cancer fund-raising event.



#### **Eggster Hunt**

Eggster is an annual community service activity in which various student organizations and fraternities put on an event for kids, particularly the disadvantaged. HKN members helped build and run booths that provided fun, enriching activities for the children. One of the booths featured paper boats kids built and blew around the water; with the guidance of HKN members, they learned a little about aerodynamics. Many other booths taught other scientific principles. At



Officer Mimi Yang grabbing a great photo opportunity as the Easter Bunny hopped by her booth.

the dancing booths, members and officers danced around and taught the children how to enjoy themselves and shake what they have. In addition, Mu Chapter members helped run several egg hunts over UC Berkeley's grassy campus for children of many age groups.



HKNers Shi-Hua Teh, Allen Tsao, Tom Jiang, and Paul Liu have a good time stuffing eggs with candy in addition to stuffing themselves with a few.



#### **Graduate School Infosessions and Workshops**



Professor C.K. Cheng answering student queries about graduate school at UC San Diego.

Working together closely with the EECS department, Mu Chapter members and officers organize graduate school workshops during the school year for students interested in learning more about graduate school and its requirements. Throughout our graduate workshop series, we invited several professors and administrators to speak about the many aspects of graduate school education and the

necessary steps that need to be taken to improve chances of getting into a good graduate program.

Sheila Humphreys, Director of EECS student matters, enlightened students about the admissions process and how to stay on top of a flurry of deadlines. Several professors visited UC Berkeley to talk about graduate school. Associate Professor Klara Nahrstedt talked about graduate life at UIUC. Professor C.K. Cheng from UC San Diego gave his perspective on evaluating graduate applications. UCSD's faculty is still growing and, with that, so is the number of accepted applicants. To accommodate the growing number of people, UCSD will have a new facility opening winter 2004.

# Service Students

## **Peer Advising**



Officer Isaac Seetho gives advice to a fellow student about what classes to take.

In a large university such as Berkeley, it is easy for students to be confounded by the complex course requirements and the multitude of classes available. To alleviate their confusion, HKN offers peer advising sessions, in which experienced students answer questions about professors and courses, as well as give any general advice on college life. At these sessions, students talk candidly, find project partners, and plan out their college careers over drinks and cookies.

#### **New Student Orientation**

The week before school starts, new and returning students are invited to participate in gatherings to kick off the school year. Some of these activities involve student groups guiding new students through informative tabling and orientations. HKN members participated in an EECS "real life" panel that allows incoming students to ask any questions they have about the upcoming year. We also helped out the department with an ice cream social that was put on to allow students, past and present, to mingle with faculty.



Officers Connie Huang and Allen Tsao introduce a new student to resources available on campus.



### **Tutoring**

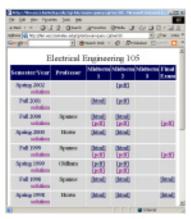
Tutoring is one of the Mu Chapter's top priorities when it comes to serving students and faculty. Each officer is available for 2 hours a week in one of our offices in Soda (the Computer Science building) or Cory (the Electrical Engineering building); together, they provide free tutoring for both introductory and advanced courses from 10 AM to 4 PM. Mu Chapter tutors also frequently take on individual tutoring requests outside of regular tutoring hours to help individuals who are in dire need to get up to speed in their classes. To complement our tutoring services, our chapter has also started study sessions for several large lower division classes.



Officer Alan Wei helps fellow student Connie Huang with an analog circuits class.

#### **Tutoring Statistics:**

Weekdays 10-4 in Cory & Soda Halls Manpower per week: 70 hours Total hours per semester: ~1050 hours



From our online exam files, a screenshot of the exams available for EE 105-Microelectronic Circuits.

## **Exam Files**

One of HKN's academic services consists of our collection of past exams in many EE and CS courses. Students are asked to donate any exams that they may have. Both physical and online copies of exams and solutions are available in our offices or online; students borrow physical copies or read digital copies. Our archives extend back to the early 1990s.

# Service Students

#### **Donut Runs**



Member Robert El-Soudani is all smiles after a bite of sugary Krispy Kreme donut.

Being students ourselves, HKNers know the great anxiety that fellow EECS students experience as they are bombarded with project deadlines and hefty examinations. To help relieve students of the pressure, we periodically have latenight Donut Runs so that students can take a break from their studies and enjoy the sweet comforts of sugary donuts.

## **Faculty Mixers**

One of the best ways to get students and faculty to mingle is to entice them with free food. The Mu Chapter helps the department with several student-faculty mixers during the year. At these mixers, professors share with enthusiastic students about exciting fields of research and interesting classes to take. As students and faculty mingle at these mixers, they learn that they share many common interests outside of school as they talk about sports, entertainment, and fun news.



Professor Dan Garcia tells an interested student about the research he is doing.



#### **Faculty Retreat**

During the spring semester, EECS faculty gathered over a weekend to discuss issues relevant to the department. They gave various EECS student groups, including HKN, the chance to present undergraduates' concerns about the department. Among the topics brought up were courses, academic re-

"It [ faculty retreat] is a friendly forum where we can bring up issues relevant to the student."

— Dustin Li, Spring 2004 Candidate

quirements, and the quality of life in the EECS buildings. Our presentation was based on an online survey of undergraduates in EECS that the Mu Chapter conducted during the school year.

#### **Blue and Gold Thank-a-thon**



Officer Allen Tsao asking about one of the trivia questions that was given.

Every year, HKN and other engineering societies thank alumni who have given back to their alma mater by writing thank-you notes. Groups of students gather around a table for a couple of hours, competing to write the most notes. These lucky Berkeley Engineering alumni each receive personal letters from a current engineering student thanking them for the guidance and help that they have provided for the College of Engineering. Afterwards, the College of Engineer-

ing staff quizzed the participating students on facts about the college in an effort to enlighten the young minds about various ways in which past graduates have made a difference today.



#### **Cal Day**

On Cal Day, prospective freshmen and their parents visit UC Berkeley to get a taste of what the university and EECS department are all about. HKNers lead tours around Cory Hall, the home of our EECS department. They answer any questions about the university and assuage the fears of anxious parents while showing them the labs, classrooms, and neater features of Cory hall. Cal Day visitors also had the chance to see class projects such as a digital mini-router and robotic vehicle from engineering design courses.

### **Computer Science GRE Review Sessions**

Each year, numerous Berkeley students take the Computer Science GRE examination in hope of admittance to the graduate school of their choice. In the fall, HKNers ran review sessions to prepare for the exam. Systems, computer architecture, compilers, and theory were among the topics covered.

#### **EECS Spring 2004 Graduation Reception**

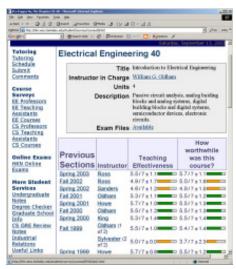
Whenever graduation rolls around, all of us here at the Mu Chapter find it to be a bittersweet moment. Continuing students from our chapter worked with the EECS department to hold a reception on Bechtel Terrace as a way to show our appreciation and support for all the hard work that graduating EECS students have put into their college careers. Faculty and students, along with their families, reflect on the past and talk about future plans over sparkling cider, fruit and snacks.



The HKN Family graduates take their final picture together as Berkeley students.

#### **Course and Professor Surveys**

At the end of each semester, HKN conducts surveys for each EECS course. Students evaluate their professors and teaching assistants on several criteria, such as their style of presentation and approachability. Additionally, they note how much work the course required, how fast the pace was, and how worthwhile the experience was, overall. After the department processes surveys, we enter the results into our online database, which provides listings that date years back. Course surveys are important to both the department and students, since they report how students perceive the teaching of EECS courses.



A sample results page for the Introduction to Microelectronic Circuits course.

#### **E-Day**



Officer Mimi Yang, together with officer Ben Heilers, manning the HKN booth at Bechtel in all her green-haired glory.

E-Day is short for Engineering Day. It is a day where engineering societies gather in the Bechtel engineering building to hold fun activities and publicize their societies and services. Though this year's E-day was rainy, it did not spoil our fun on Halloween. Societies gathered in Bechtel to provide games for current students and prospective transfer students. HKNers made pumpkin  $\pi$  (digits of pi written on pumpkins) as a fun display for engineering students as they completed puzzles and brainteasers.

# Service Department

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The coveted HKN-UCSEE Outstanding GSI Award.

#### **GSI Awards**

Since many undergraduate classes in a university like Berkeley contain a hundred or more students, good GSIs (Graduate Student Instructors) are crucial for providing the one-on-one interaction professors cannot offer to each student. For many students, GSIs are easier to approach because they are students themselves. To recognize exceptional GSIs, HKN and IEEE ask undergraduates to nominate their favorite GSIs. At the end of the semester, several outstanding GSIs are acknowledged and the top GSI's name is added to a plaque on display in Cory hall, the EE building.

#### **Dunk Tank**

One of the services to the EECS community that the Mu Chapter finds very important is the building of relationships between faculty, administration, and students. The dunk tank was a great event for doing so. Several EECS professors and staff participated, including faculty members Mike Clancy, Andy Neureuther, Sheila Ross, and the director of undergraduate student matters, Sheila Humphreys. Faculty, students and staff gathered in front of MacLaughlin Hall near the engineering terrace to watch the spectacle as



After getting dunked, a soaking wet Dean Richard Newton takes a shot at dunking one of his colleagues.

students tried to dunk their favorite professors (all in good fun of course!). Professor Neureuther, one of the dunkees, jested at students with a mock diploma prop that he had brought for the event, "This diploma can be yours, if only you can hit the target!"



To stay current and relevant to students and alumni, Mu chapter must maintain connections with the world outside our offices and the EECS department. Current members need to stay in contact with alumni, other engineering societies, and industry to benefit the most from their time as undergraduates.

Mu chapter has improved in outreach in several ways this past year. Most notably, the Industrial Relations Committee organized a technical career fair, which gave any student interested in technical jobs a chance to begin networking and find out what working for different companies was like. Additionally, they improved our working relationships with industrial representatives. The Student Relations Committee improved our relation with EECS students in general by running Casino night, where students gambled with fake money.











#### **Alumni Database and Newsletter**

Like a family, membership in HKN is for life. To keep the alumni in touch with each other, we actively encourage alumni to opt into our mailing list and database of contacts. We also constantly update the alumni with the activities that the current generation is pursuing by distributing a monthly newsletter.

"Newsletters surely keep us in touch with the HKN community."

"Alumnus Danny Tom



#### **Alumni Appreciation Dinners**

This semi-annual event is traditionally scheduled for the start of each semester. It is a chance for the alumni to educate the new officers on HKN traditions. At these dinners, everyone old and new - shares their best memories of HKN. As suggested by its name, the appreciation dinner is a time to acknowledge the alumni for their past contributions, the traditions they installed, and their continuing support of the chapter.



Officers and Alumni enjoyed the dinner, while sharing their favorite HKN experiences.



#### **Alumni Broomball**

Alumni, candidates and officers clash on the unforgiving ice at Oakland Ice Center at the alumni broomball game every semester. With teams of alumni and candidates versus officers and members, the stage was set for a strong fight. In the fall, notable on the field was candidate Edward Cheung who scored two quick shots in the last half of the game to bring the score to 4-2. Final score: 4-3, alumni and candidates won.

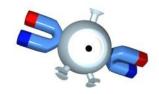


Alumnus Aaron Jow shows off his personal broom stick

In the spring, the first half of the game was a stall with a 1:1 tie. However, the officers were victorious this time. Two goals at the end set the final score to be 3-1. The officers finally beat the alumni after numerous semesters of defeat!

#### **Alumni Broomball Scores:**

Fall Game: 4-3 (Alumni win) Spring Game: 3-1 (Officers win)



# Outreach Intersocietal

#### **UPE Broomball**

As a way to strengthen our friendship with our officemate UPE (Upsilon Pi Epsilon—the Computer Science honor society), the two societies get together for some fun and exercise with broomball every semester. In the fall, HKN took on UPE in a fun game of broomball. Though Mu chapter walked away with a victory of 3-0 both organizations had a great time getting to meet members from the other society. In the spring, the eagerness of members from both soci-



You can tell where the ball is just by looking at the crowd.

eties to play broomball, ended up with some fun and healthy team mixing. Members from both organizations learned that it was just as fun to compete as it was to work together towards a common goal.

#### **Basketball With TBP**



Who would know these good players are actually nerdy engineers?

It is becoming a tradition for HKN members to play basketball against TBP (an engineering honor society) every semester. It turned out to be a fine day for the series of basketball games. When the going gets tough, the tough play shirt and skins. It was TBP vs. HKN — Shirts vs. Skins. Four games were played, and the scores are quite easy to remember: 11-4, 6-11, 11-4, and 11-6. HKN came out on top with three wins.



# Outreach Market Intersocietal

## **Casino Night**

Originally the Hoards of students showed up for the first Casino Night sponsored by HKN/SWE (Society of Woman Engineers)/ IEEE. Students gambled their fake money for the ultimate prize of an Engineering t-shirt. Casino games include Blackjack, Craps, Roulette, and Texas Hold'em. The event was a resounding success, with enthusiastic participation by members of all three societies. Casino Night dragged engineers out of their homes and labs to a fun night that everyone enjoyed.



Students apply their analytical skills to the game of



HKNers and TBP members introduce themselves before the game starts.

#### **Ultimate Frishee With TBP**

Ultimate Frisbee in Berkeley has become more popular amongst our engineers than our hippies. In the fall, the Mu chapter played a game of Frisbee with Tau Beta Pi (an engineering honor society). Unfortunately, the game result was not in favor of the HKNers. TBP took the lead and won 10-2.



### **Bowling with AUWICSEE**

HKN and AUWICSEE (Association of Undergraduate Women in Computer Science and Electrical Engineering) went to Pinole Valley Lanes in Fall 2003 for some bowling action, where members and participants may pick up new bowling skills, which vary in technical difficulty from throwing precise curve balls to simply avoiding the gutter.



HKN and AUWICSEE girls flashing their biceps – who says girls can't bowl?

# Outreach Industrial

#### **Tech Talks**

Microsoft Tech Talks:

The Mu Chapter organized two tech talks on behalf of Microsoft in Fall 2003. The first talk was about mobile technologies at Microsoft. One of the project managers in Microsoft's mobile devices group gave the students a short history of PDA's, followed by a talk about the new "smart" software that Microsoft is working on for PDA's and cell phones. In the second talk, a representative from the Longhorn group talked about tech-



Students listen to an informative talk from Microsoft representatives about the lastest software developments.

nologies powering the next generation of operating systems. Prizes, including a Pocket PC, were raffled during both talks.



The 2003 Research Leadership Award was awarded to Dr. Jean Paul Jacob by the UC Berkeley EECS department.

#### IBM Tech Talk:

Dr. Jean Paul Jacob from IBM Almaden Research Center shared his predictions on the future of computing. After his one and a half hour presentation in Soda Hall's HP Auditorium, Dr. Jacob was shuttled upstairs to a surprise reception in the Wozniak Lounge, where he was honored with a Research Leadership Award.

# Outreach Industrial

#### **Infosessions**

Infosessions are popular forums for recruitment. Students learn about the work environment in the industry, the projects companies are working on, qualifications that recruiters look out for, and even futuristic ideas and trends that various companies are pursuing. Prizes are often raffled off by the companies to attract more students. In the 2003-2004 school year, the Mu Chapter coordinated 12 infosessions for companies such as Microsoft, Amazon, Yahoo, IBM, and various others.



Xilinx representatives talk to EECS students about their latest FPGAs (Field Programmable Gate Array) in the Hewlett-Packard Auditorium.

#### Amazon:

Amazon.com representatives from their Engineering, Fulfillment, and Customer Support departments visited Cal to tell students how it feels to work for the largest e-

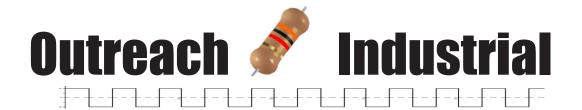


Representatives talk to students about Amazon.com as not just an online business area, but also a technology research company.

commerce site in the world. Issues discussed included customer support, database scalability, and dealing with a global market.

#### **Infosession companies include:**

Microsoft, VMWare, Western Digital, Altera, Yahoo, Aerospace Corporation, KLA-Tencor, Qwest, IBM.



#### Xilinx:

Representatives from Xilinx gave an informative talk about their company and how it is like to work for Xilinx. Included in the presentation were demos of cool new devices currently in development, including Quake and Asteroids running on a "system on a board" without an OS. They also talked about development on their Virtex line of FPGAs as well as other products.

#### **Site Visits**

The purpose of site visits is two-fold: first, they offer students the opportunity to visit companies; second, they give HKN members one-on-one time with company representatives.

#### Apple site visit:

On a visit to the Apple headquarters in Cupertino, CA, HKNers learned more about the inner workings of the company. We spent



HKN officers Hua Xu and Joyce Liang pause for a picture with Apple's University Relations team.

the day in their Executive Briefing Center learning about the company and their technology. After a lunch in the cafeteria and a tour around their gorgeous campus, the iPod project manager shared Apple's design challenges on the latest revision of their popular music player.

# Outreach Industrial



HKNers and HP officials take a picture in front of the modern facilities after the site visit.

#### AMD site visit:

HKN visited AMD's Sunnyvale campus at their Spansion division for a day of learning about design and fabrication. First the students visited their Testing Fab, and then they took a tour of various other test labs and engineering offices. Each part of the tour was given by an employee who specialized in that particular lab; therefore students got a real feel for what it was like to work there.

#### HP site visit:

HKN visited HP's research labs in Palo Alto . Students were taken to the "cool town" presentation room where company representatives demonstrated plenty of cool gadgets that HP had worked on in their research lab. Afterwards, six Berkeley alumni working in HP had lunch with the students, and students got to compare experiences with them and get advice.

"One of our main goals for that semester was to build the reputation of Berkeley HKN to companies. All in all, I think the site visits accomplished that. The three companies that we visited still have very fond memories of HKN and its students."

-Hua Xu, Industrial Relations Committee officer



#### **The 4th EECS Annual Career Fair**



Students find out more about working opportunities in Lockheed Martin.

Traditionally, the EECS Career Fair is the largest technical career fair held on the Berkeley campus and is the only fair specifically targeting students majoring in Electrical Engineering and Computer Science. This past year, the EECS Career Fair was more successful than ever. Numerous well-known companies attended the event which attracted hundreds of highly motivated and highly qualified Berkeley students, particularly those majoring in EECS.

To put on such a large event, the Mu chapter Industrial Relations Committee started planning the summer of 2003 and diligently worked on it until the day of the career fair. Members, alumni, and the entire officer corps helped out to guarantee the event's success. Over 650 students attended the career fair. It not only gave the student bodies a chance to meet representatives from industry, but it also improved the Mu chapter's relations with these companies.

#### **Participating companies:**

- · Microsoft
- · HP
- · Lockheed Martin
- · Oracle
- · VMware
- · Rambus
- · BEA Systems
- · Raytheon
- · Cypress Semiconductor
- · Silicon Storage Technology
- · KLA-Tencor
- · Xilinx



Oracle representative informs a student about working experiences in the company.

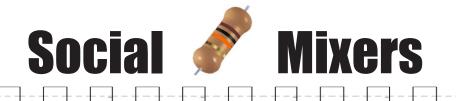


The core of Mu chapter consists of its members. Without them, HKN could not perform its responsibilities to the EECS community. Often, members describe HKN as a "family"; that is how close HKN keeps its members. A chapter that never facilitated socialization among members would quickly find itself divided and incapable of pulling members together for outreach and service.

Mu chapter takes part in many social activities each semester, including movie nights, ice cream socials, and game nights. Events may be small gatherings giving members the chance to get to know each other better or large events where HKNers can just have fun. Although most HKN members and candidates are busy with the workload of their major along with many other obligations, they value the social activities of Mu chapter; with about one event per week, we still have good attendance.







#### **Ice Cream Socials**

Amongst our most popular events, ice cream socials bring a whole new meaning to "chilling out". These gatherings are excellent opportunities for members and candidates to come together for some mingling and dessert after a busy day at school. They are usually held at the local ice-cream or gelato parlors, where participants get to pick their favorite from an assortment of fun flavors such as black sesame and Ferrero Rocher®.



Daniel Hsu, Tina Dong, and Jin Luo savor delicious ice cream while chatting.

## **Culture Night: SF MOMA Visit**

HKNers are a well-rounded lot – besides an interest for all things technical, they also actively pursue a better understanding of the liberal arts. This spring, members and candidates ventured downtown to visit the San Francisco Museum of Modern Art, where they were exposed to exhibitions like Pop art, Fuseart, and the art of

"I remember this huge plastic sunflower that would stare down at you. It was weird, but interesting."

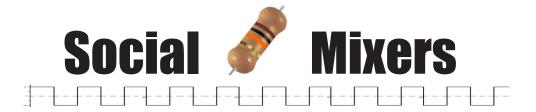
- Spring 2004 Candidate Tanya Gordeeva

design galleries. True to their techie natures, HKNers ogled at



Allen Tsao and Devang Parekh immerse themselves in the MOMA atmosphere as Tanya Gordeeva looks

the modified Toshiba laptops more than any of the other pieces of art and spent some time playing with a Java applet from MIT that drew pretty pictures.



### **Photo Scavenger Hunt**

\*Click, click, flash\* HKN Mu Chapter holds a semi-annual Photo Scavenger Hunt, similar to the conventional scavenger hunt but with a modern twist. The hunt involves several competing groups of members and candidates going to the right places on campus and taking pictures that satisfy the given clues. Lasting 2 hours, this event requires both intellect and stamina from participants, as the numerous clues are scattered all over the sprawling, hilly Berkeley campus. As a reward, candidates and members return to a piping hot barbeque lunch at the end of the hunt, during which the judges will review each team's handiwork to determine the final winner.



I SEES parking spot...

# **Social Mixers**

### **Game Nights**

Video game nights are great chances for the armchair generals and serial killers amongst us to display their hand-eye coordination as well as tactical savvy. With games like Mario Kart, Smash Brothers, Halo and StarCraft®, members and candidates get a chance to relax and interact socially on a sweat-free, fun-filled night of FPS shooting and hectic scrims between Link, Kirby and Pokemons.

A few times each semester, the Mu Chapter gathers for a night of good, wholesome fun as we whip out our long-neglected family games such as Monopoly, Twister and Settlers of Catan. Among the year's highlights: the return of the game SET! with several SET sharks jockeying for the title of HKN SET Master and the Tower of Babel, part 2 (or Jenga HKN style).



Good try! Amir Kamil laughs helplessly after the



HKNers apply the game theory to the game of Settler. Who can build the most cities?

HKN officers Nam Mai and Wonsop Sim duke it out in Mario Kart.

### **Statistics:**

Number of laptops: 9

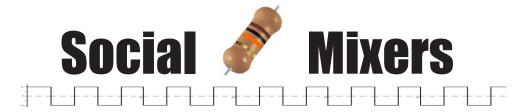
Number of switches: 2 Number of TVs: 2

Number of game screens: 3

Size of largest game screen: 52 inches

### **Types of consoles:**

GameCube, X-Box, PS2, computer



### **Potlucks and Barbecues**

HKN Mu Chapter knows very well that EECS students badly need nourishment from all the energy they expend from spending late nights in lab. One of two major HKN mixer events, potlucks are held once each semester, drawing in large throngs of both members and candidates with the promise of free home-cooked food. Officers are tasked with bringing the chow, often whipping up their best, most interesting dishes in an effort to wow the crowd with their culinary prowess. Officers with less



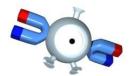
HKNers getting pasta and pepsi during the potluck.



A birthday pyramid built by a group of HKNers for Alumni Francis Hsu.

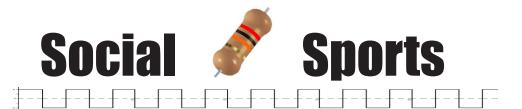
cooking expertise sometimes buy food from elsewhere – almost a tradition, officer Vu Nguyen brings his trademark Chocolate Motherlode Cake from restaurant Claim Jumper.

HKN also often holds barbeques outside Soda Hall, usually before home football games. At these events, candidates may mingle, eat and make full use of the volleyball sand courts behind Soda Hall. Immersed in such lively atmosphere, participants are able to spend a light-hearted time getting to know each other better.



### **Memorable Event:**

A group of HKN members and candidates forming a "birthday pyramid" in honor of birthday boy, Francis Hsu, who was the Fall 2001 President.



### **Sports**

New additions to our internal "fun" activities this Spring semester, soccer and ultimate frisbee games turned out to be very successful events. Held at various fields on or near campus, these games boasted plenty of dribbling, passing, shooting, marking and crossing action from candidates and members alike. Although more popular with the guys, these activities had their share of female participants who certainly gave the boys way more competition than they expected.



Spring '04 candidate, Wei Liang shows great talent in soccer.



HKN girls battling it out for possession of the frisbee.

"It's only my first semester in HKN and already, the people have left a deep impression. Playing soccer at Willard park has got to be the highlight of it all... flying tackles and clinical finishing, not to mention some \*ahem\* car denting... HKNers are awesome!"

-Spring 04 candidate Michael Yeung





### **Minigolf**

Having experienced most of the delights Berkeley can offer, the Mu Chapter sometimes heads to other cities for some fun. HKN went to Golden Tee Golfland in Castro Valley once again for an entertaining night of miniature golf and good ol' arcade gaming. Officers and candidates pitted their putting skills against one another, racking up numerous holes-in-one and birdies (numerous bogeys and double bogeys too, unfortunately).



HKN Mu Chapter golfers, proud as PGA Tour champions.

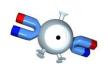
### **Capture the Flag**



Officers Nikita Shah and Allen Tsao express their joy after capturing the red team's flag.

As a stereotype, EECS majors typically neglect exercise as a result of their busy schedules. In an effort to dispel this myth, HKN Mu Chapter organizes several Capture The Flag games each semester, where participants are divided into two teams and each team is required to roam several acres of campus territory in an effort to locate and steal their opponent's flag. Apart from "attack" strategies, teams must not forget about the importance of defending their own flag – the excel-

lent 4-man defense of the Yellow team in Fall '03 proved impenetrable and wrought a win for their team by capturing and jailing several Red members. These tactical games are an exercise of strategy, orienteering and teamwork and are all in all, excellent ways for strangers to break the ice.



Statistics:
· Score 0-1.



With the many activities Mu chapter offers, it can be easy for members to lose sight of the greater whole of HKN. Through our general meetings, members, officers, and candidates hear the latest news with respect to the chapter and catch up with members they don't normally meet. In addition to the general meetings, candidates are guided through the pledge process with candidate meetings. Of course, they finish off the semester with our traditional initiation and banquet. Tradition and change come together to create an everimproving Mu Chapter.









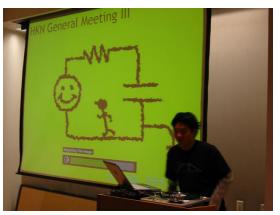


### **General Meetings**

Three general meetings are held each semester, giving all of HKN's members and candidates a chance to socialize and hear chapter news. During a typical general meeting, members and candidates are reminded of upcoming events and a guest speaker, often an EECS professor, gives a talk on topics relevant to the HKN membership. Speakers share their experience or speak about interesting projects they are involved in. Afterwards, the chapter socializes over a meal. Gen-

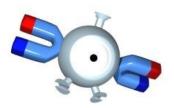


Professor Roger Howe talks about reasons for seeking a graduate degree.



Cedric Han, the VP, kicks off the last general meeting of the fall semester.

erally, candidates request and complete challenges (often puzzles or ice-breakers) during this time. Some show off a special skills, such as an adeptness with soccer balls or musical talents, while others interact with officers to discover fun historical facts about the Mu Chapter.



### **Presentations:**

- SETI@Home, the Search for Extraterrestrial Intelligence at Home, and distributed computing
- Trends in manufacturing; the increasing use of machinery
- · Ubiquitous computing and the Aware Home project
- · How to succeed in graduate school
- · Non-traditional uses of electrical engineering (sending current through people and cows)
- · Alumni's experience working outside of EE in the fields of law, medicine, and photography

### **Candidate Meetings**



Jan Voung, an ex-officer, chats with candidate Yonathan Randolph.

Candidates may learn about HKN and the chapter's requirements through email notices and the Mu chapter website, but the candidate meeting is where the candidates meet officers and members in person. As a result, they experience firsthand the character and dedication of HKN members. Officers also address practical issues and clarify any questions regarding candidate requirements.



### **Officer Elections**

The day after initiation and banquet, officer elections take place, drawing on momentum from the previous night's events. Members and officers, both current and past, come to offer candid suggestions on the future of Mu chapter by assessing the current state of the society. The entire process requires a total of 6-7 hours, because of the depth at which members discuss officer candidates. All members are invited and encouraged to run for an office if they desire to lead the chapter in future endeavors.



The newly elected officer corps of Spring 2004 poses for their first picture together.

### **Officer Retreat**



Officers gather around cozily in the living room and get to know each other.

With a close knit officer corps, HKN can better serve the community, department and students. It is at the officer retreat that the officer corps is brought together as a close family. Shortly after the start of each semester, all officers spend a weekend learning to work together through entertaining and unifying activities. New officers learn from the experienced officers, and both learn more about the other's point of view. The time spent together also helps officers relate to each other

on a personal level. Retreats were held at North Lake Tahoe last fall and Santa Cruz in the spring.

# Official Business

### **Initiation and Banquet**

After initiation, officers and members celebrate the end of the candidate semester in a formal banquet. All reflect on the past semester by listening to speeches from officers, acknowledging exemplary initiates, members and officers, and inviting a professor to speak about their vi-



Everyone is touched when Vice President Amy Wung gives President Mimi Yang a scrapbook that the officer corps put together.

sion for young electrical engineers. Last fall, the



Officers Phoebus and Amy Wung (far left and far right) dine with Professors Tsu-Jae King and Sheila Ross.

banquet was held at a local Japanese restaurant, Tanaka, and Professor Richard Karp spoke. This spring, the banquet took place at H.S. Lordships, where Mu Chapter members and friends dined and wined along the shore of the Berkeley Marina.



The Fall 2003 class of Mu Chapter initiates.



The Spring 2004 class of Mu Chapter initiates.

## **2003-2004 Initiates**

### **Fall 2003**

Steven An Joshua Chang Angel Chao Alex Chen Ryan Chen Timothy Chen **Edward Cheung** Willy Cheung Jack Chu Chris Crutchfield Erik Diep Robert El-Soudani Sean Gabriel Philip Godoy Vikram Gowrish Casev Ho

Michael Krishnan

Liliya Krivulina Lin Kuang Newton Le Kevin Lee Michael Lee Jessica Leung Jarrett Liang Joyce Liang David Lin James Lin Kevin Lin Jonathan Liu Rach Liu Vincent Liu Nam Mai David Mason Michael Matsumura Sahand Negahban Victor Perez Juhi Saha Cindy Song Shi-Hua Teh Jack Tseng Vijay Vasudevan Frank Wang Harriet Wang Matt Ware Jeffrey Woo Hua Xu **Brian Yang** Tracy Yang Yong Yang Ellen Zeng

### Spring 2004

Jason Chang
Daniel Cheng
Tanya Gordeeva
Manan Gosalia
Imran Haque
Chintan Intwala
Amir Iranmahboob
Mehdi Ansari Jaberi
Dwayne Jeng
Chuan Jiang
Peyman Kangavari
Kenneth Kao
Ho-Young Kim
Carmelo Kintana
Mario Kowara

Siu Lun Lai
Daisy Lee
Dustin Li
Jason Li
Li Li
Wei Liang
Laura Lin
Xian Jun Liu
Yong Da Liu
Vitoria U. Lok
Marti Motoyama
Neelav Rana
Yonathan Randolph
Yuliya Sarkisyan
Kevin Shieh

Ta-Ming Shih
Karl Skucha
Grace Soh
Jue Sun
Hobart Sze
Arthur Tang
Benjamin Tegarden
Andre Tjokrorahardjo
Tu Vuong
Douglas Williams
Donald Winston
Peter Wu
Michael Yeung
Ying Yeung
Jeffrey Yin

# **Calendar of Events**

### **Fall 2003**

August		Oct 26	Breast Cancer Walk
Aug 20	Welcome Week	Oct 28	N-Things To Know About Graduate
Aug 29 - 31	Fall 2003 Officer Retreat	Oct 28	School Student Faculty Mivor
110.8 = > 01		Oct 28	Student-Faculty Mixer
September		Oct 29	General Meeting 2 Harrison House Halloween
		Oct 31	
Sept 3	IBM Talk	Oct 31	E-Day
Sept 9	Microsoft Uncensored	November	
Sept 10	Amazon Infosession	November	
Sept 11	Alumni Appreciation Dinner	N 2	Video Come Niela
Sept 16	Ice Cream Social	Nov 3	Video Game Night
Sept 19	Graduate School Workshop	Nov 5	IBM Infosession
Sept 23	Western Digital Infosession	Nov 6	Broomball with UPE
Sept 23	EE Graduate School Workshop	Nov 8	Potluck
Sept 25	Altera Infosession	Nov 8	Berkeley Food and Housing Project
1		Nov 9	TBP vs HKN Frisbee
October		Nov 10	Board Game Night 2
0010201		Nov 11	Department Appreciation Baking
Oct 1	Candidate Meeting	Nov 12	CS Graduate Workshop: UCSD
Oct 4	Pre-game BBQ I		Speaker
Oct 7	Mini-Golf	Nov 15-16	Alameda County Community
Oct 8	Aerospace Infosession	1	Foodbank
Oct 9	General Meeting 1	Nov 17	Alumni Broomball
Oct 13	Board Game Night	Nov 18	General Meeting 3
Oct 14	VMware Infosession	Nov 18	Xilinx Infosession
Oct 15	KLA-Tencor Infosession	Nov 19	Blue and Gold
Oct 16	Capture the Flag	Nov 19	University of Illinois, Urbana
Oct 16	EECS Peer Advising		Champaign CS Graduate Workshop
Oct 18	Photo Scavenger Hunt	Nov 20	Donut Run 2
Oct 18	Photo Scavenger Hunt (ttd)	Nov 24	Bowling
Oct 22	Qwest Infosession	10 12 /2 /2 /3	
Oct 22	EECS Peer Advising	December	
Oct 23	Donut Run		
Oct 23	Casino Night	Dec 6	Fall 2003 After-Banquet Karaoke
Oct 25	Pregame BBQ II	Dec 6	Fall 2003 Banquet
Oct 26	TBP vs HKN Basketball	Dec 6	Fall 2003 Initiation
		Dec 7	Spring 2004 Officer Elections

# **Calendar of Events**

## **Spring 2004**

January		Mar 30 Mar 31	Baking for Staff General Meeting #2
Jan 23-25 Jan 28	Spring 2004 Officer Retreat	Mar 31	Apple Company Site Visit
Jan 29	Officer Meeting & Dinner Ice Cream Social	April	
February		Apr 1	SF Museum of Modern Art (MOMA) Visit
Feb 3	Tokyo Godfather	Apr 1	Student Faculty Mixer
Feb 5	Movie Night 1	Apr 3	Potluck
Feb 11	Alumni Appreciation Dinner	Apr 5	Video Game Nite 1
Feb 12	HKN Technical Career Fair	Apr 8	Broomball vs UPE
Feb 14	Berkeley Food & Housing	Apr 8	Peer Advising 1
Feb 17	VMWare Infosession	Apr 10	Eggster
Feb 18	Microsoft Tech Talk	Apr 11	Basketball vs TBP
Feb 24	Candidate Meeting	Apr 14	Peer Advising 2
Feb 25	Makeup Candidate Meeting	Apr 15	Movie Night 2
Feb 26	Dinner at Plearn's	Apr 16	AMD Company Site Visit
Feb 27	Game Night at DTom's	Apr 18	Ultimate Frisbee
		Apr 20	General Meeting 3
March		Apr 23	Board Game Nite 2
inai on		Apr 25	Trail Hacking
Mar 2	General Meeting 1	Apr 25	Donut Run 1
Mar 4	Bridge Committee Dinner	Apr 26	Hewlett-Packard Site Visit
Mar 6	Eggster Preparation	Apr 27	CS Gradschool Infosession
Mar 8	Capture the Flag	Apr 29	Yahoo Infosession
Mar 9	Microsoft Longhorn Tech Talk		
Mar 11	Minigolf	May	
Mar 12	Tutoring Committee Dinner	indy	
Mar 13	Photo Scavenger Hunt	May 1	Soccer vs AIChE
Mar 13	Photo Scavenger Hunt	May 2	Spring Fair at Emerson Elementary
Mar 14	Soccer	May 2	Donut Run 2
Mar 17	Capture the Flag #2	May 7	Dunk Tank
Mar 18	Alumni Broomball	May 8	Candidate Initiation and Banquet
Mar 29	Board Game Night 1	May 9	Fall 2004 Officer Elections

# **Mu Chapter Officer Corps**

Office	<b>Fall 2003</b>	<b>Spring 2004</b>	
President	Calvin Ling	MimiYang	
Vice President	Cedric Han	Amy Wung	
Treasurer	Kun Gao	Eric Roller	
Corresponding Secretary	GeoffMorrison	Isaac Seetho	
Recording Secretary	Amy Wung	Cedric Han	
Bridge Correspondent	Tina Dong	Kun Gao	
Bridge Correspondent	James Lin	Nikita Shah	
Bridge Correspondent	Isaac Seetho	Alan Wei	
Bridge Correspondent	Jan Voung		
Department Relations	Allen Tsao	Ellen Zeng	
Alumni Relations	Rupert Chen	Wonsop Sim	
Student Relations	Mimi Yang	Connie Huang	
Industrial Relations	Vu Nguyen	Hua Xu	
Industrial Relations	Brandon Ooi	Jessica Leung	
Industrial Relations	Albert Wang	Casey Ho	
Industrial Relations	Alan Wei	Joyce Liang	
Exam Files	Jin Luo	Jin Luo	
Exam Files Exam Files	Andy Pang	Victor Perez	
Tutoring	Wonsop Sim	Chris Crutchfield	
Publicity	Connie Huang	Tina Dong	
Publicity	Kevin Wang	Angel Chao	
EJC Representative	Raman Gulati	Kevin Wang	
EJC Representative	Ben Heilers	Rupert Chen	
Activities	Eric Roller	James Lin	
Activities	Nikita Shah	Sahand Negahban	
Activities	Amy Wu	Shi-Hua Teh	
Computing Services	Karl Chen	Geoff Morrison	
Computing Services	Daniel Hsu	Amir Kamil	

### Office Tutors

**Computing Services** 

Fall: Sagnik Ghosh, Kevin Lu, Yangfan Wang, Katherine Yiu

Spring: Sean Gabriel, Philip Godoy, Ben Heilers, Daniel Hsu, Daniel Kuo, Michael Lee, James J. Lin, Jonathan Liu, Nurrachman Liu, Kevin Lu, Cheralin Peng, Navtej Sadhal, Juhi Saha, Jan Voung, Yangfan Wang, Katherine Yiu

Jeffry West

Nam Mai

# **Mu Chapter Time Sheet**

Service Events	Work Hours	Fun Hours	New/Continuing	Semester
Welcome Week	10	0	Continuing	Fall & Spring
Graduate School Workshops	6	0	Continuing	Fall & Spring
EECS Class Review Sessions	6	0	New	Fall & Spring
Peer Advising	100	0	Continuing	Fall & Spring
Donut Runs	8	8	Continuing	Fall & Spring
Making Strides Against Breast Cancer	80	0	Continuing	Fall
Student-Faculty Mixer	50	80	Continuing	Fall & Spring
CS GRE Review Sessions	15	0	Continuing	Fall
Baking for Staff Appreciation	50	0	Continuing	Fall & Spring
E-Day	15	2	Continuing	Fall
Harrison House Halloween	40	0	New	Fall
Berkeley Food and Housing Project	100	0	Continuing	Fall
Alameda County Community Foodbank	26	0	New	Fall
Eggster Hunt and Learning Festival	200	0	New	Spring
EJC High School Outreach	6	0	New	Spring
Cal Day Tours	20	0	Continuing	Spring
Trailhacking	85	0	Continuing	Spring
Spring Fair at Emerson Elementary	60	0	New	Spring
Dunk Tank	10	30	New	Spring
EECS Graduate Reception	15	40	Continuing	Spring
Exam Files	200	0	Continuing	Fall & Spring
Tutoring	2150	0	Continuing	Fall & Spring
Faculty Retreat	50	0	Continuing	Spring
Course and Professor Surveys	260	0	Continuing	Fall & Spring
GSI Awards	15	0	Continuing	Fall & Spring
Service Totals	3577	160		
Outreach	Work Hours	Fun Hours	New/Continuing	Semester
EECS Career Fair	200	80	New	Spring
Corporate Infosessions	300	0	Continuing	Fall & Spring
Tech Talks	20	0	New	Fall & Spring
Alumni Broomball	5	55	Continuing	Fall & Spring
Broomball vs. UPE	5	60	Continuing	Spring
Basketball vs. TBP	5	30	Continuing	Fall & Spring

# **Mu Chapter Time Sheet**

TBP vs. HKN Frisbee	5	20	Continuing	Fall
Casino Night	15	60	New	Fall
Alumni Appreciation Dinner	10	240	Continuing	Fall & Spring
Alumni Database and Newsletters	25	0	Continuing	Fall & Spring
Site Visits	5	90	Continuing	Fall & Spring
<b>Outreach Totals</b>	595	635	C	1 0
Social	Work Hours	Fun Hours	New/Continuing	Semester
Ice-Cream Socials	20	200	Continuing	Fall & Spring
Video Game Nights	5	160	Continuing	Fall & Spring
Minigolf	5	70	Continuing	Fall & Spring
Board Game Nights	5	200	Continuing	Fall & Spring
Capture the Flag	5	200	Continuing	Fall & Spring
Sports	15	200	Continuing	Fall & Spring
Culture Night: SF MOMA Visit	5	60	Continuing	Spring
Potlucks & BBQs	100	300	Continuing	Fall & Spring
Photo Scavenger Hunt	40	190	Continuing	Fall & Spring
Social Totals	200	1580		
Official Business	Work Hours	Fun Hours	New/Continuing	Semester
Initiation and Banquet	50	400	Continuing	Fall & Spring
Officer Elections	720	0	Continuing	Fall & Spring
Officer Retreat	125	1750	Continuing	Fall & Spring
Candidate Meeting	90	450	Continuing	Fall & Spring
General Meetings	270	1350	Continuing	Fall & Spring
Officer Meetings	750	0	Continuing	Fall & Spring
Online Yearbook	60	0	Continuing	Fall & Spring
Official Totals	2065	3950	_	

Total HKNer Man Hours of Work: 6,437 Total HKNer Man Hours of Fun: 6,325

Total Man Hours Spent on Mu Chapter Activities: 12,762

# **Credits**

Design and production: Fall 2004 Bridge Committee (Tanya Gordeeva, Li Li, Shi-Hua Teh, Alan Wei)

### Photography:

Fall 2003 and Spring 2004 Bridge Committees (Tina Dong, James Lin, Isaac Seetho, Jan Voung, Kun Gao, Nikita Shah, Alan Wei)

Proofreading and Information:
Hua Xu, Ellen Zeng, Cedric Han, Rupert Chen, and the Fall 2004 Officer Corps

Special Thanks: Tina Dong, James Lin, Isaac Seetho, Jan Voung, Cedric Han

