CALENDAR OF EVENTS

<table>
<thead>
<tr>
<th>DATE/TIME</th>
<th>EVENT</th>
<th>PAGE</th>
</tr>
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<tbody>
<tr>
<td>04/24 Thu 7:00pm</td>
<td>Monthly Entrepreneurs Roundtable</td>
<td>4</td>
</tr>
<tr>
<td>05/01 Thu 6:00pm</td>
<td>New Enterprise Forum</td>
<td>4</td>
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<tr>
<td>05/05 Mon 8:00pm</td>
<td>Stanford Taiko (Japanese Drumming) Concert</td>
<td>9</td>
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<tr>
<td>05/06 Tue 6:30pm</td>
<td>How To Obtain Government Grants For Your Small Business</td>
<td>5</td>
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<tr>
<td>05/08 Thu 7:00pm</td>
<td>Happy Hour at BBC in Menlo Park</td>
<td>10</td>
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<tr>
<td>05/09 Fri-Sun</td>
<td>Backpacking Trip To Big Sur</td>
<td>10</td>
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<tr>
<td>05/10 Sat 8:00am</td>
<td>Community Service Event: Mount Diablo Trail Clearing</td>
<td>8</td>
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<tr>
<td>05/17 Sat 9:30am</td>
<td>Geysers Geothermal Power Plant Tour</td>
<td>9</td>
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<tr>
<td>05/17 Sat-Sun</td>
<td>The Indus Entrepreneurs Conference @ Santa Clara Marriott Hotel</td>
<td>5</td>
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<td>05/20 Tue 7:00pm</td>
<td>Internet Congestion: How “Push” Technology Can End the Traffic Jams @ TIBCO</td>
<td>3</td>
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<tr>
<td>05/20 Tue 6:00pm</td>
<td>MIT/Stanford Venture Lab: Semiconductors</td>
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<tr>
<td>05/21 Thu 6:00pm</td>
<td>Inter-Collegiate Happy Hour @ The Q Cafe in Palo Alto</td>
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<td>05/25 Wed 6:30pm</td>
<td>Meeting of Women Entrepreneurs</td>
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<tr>
<td>05/29 Thu 7:00pm</td>
<td>Monthly Entrepreneurs Roundtable</td>
<td>4</td>
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<tr>
<td>05/30 Fri 11:45am</td>
<td>Pension Fund Real Estate Investing in 21st Century</td>
<td>6</td>
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<tr>
<td>06/06 Fri 10:00am</td>
<td>131st Commencement of MIT: featuring Kofi Annan SM’72, UN Secretary General</td>
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<td>06/12 Thu 7:00pm</td>
<td>Happy Hour at Fibber MaGees in Sunnyvale</td>
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<td>06/19 Thu 7:00pm</td>
<td>Copyright and the Internet</td>
<td>7</td>
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<tr>
<td>06/23 Mon 7:00pm</td>
<td>Nanotechnology: Seminar by Dr. Deepak Srivastava</td>
<td>7</td>
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<tr>
<td>06/24 Tue 6:00pm</td>
<td>MIT/Stanford Venture Lab featuring Going Public on the Net</td>
<td>4</td>
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<td>06/26 Thu 7:00pm</td>
<td>Monthly Entrepreneurs Roundtable</td>
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<tr>
<td>06/26 Thu 6:15pm</td>
<td>MITCNC Annual Meeting at Raychem</td>
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<tr>
<td>07/24 Thu 7:00pm</td>
<td>Monthly Entrepreneurs Roundtable</td>
<td>4</td>
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</table>

PLAN MITCNC’S ACTIVITIES!

Annual Event Brainstorming Meeting

You are cordially invited to join us to help plan next year's events. We will provide a buffet dinner to everybody and then settle down for brainstorming for our calendar. Arrive early or late and bring your best ideas!

Like last year, laughter and applause will be key parts of the evening. Is there an event you wish we had done this year? Do you know of a speaker Club members would enjoy? A bar the young alums haven’t seen? Tell us about it! Or simply volunteer your efforts for other event ideas - the more planners, the merrier!

If you’ve never hosted an event before, don’t worry. You’ll receive personal support and written guidelines. Our vice presidents of events will hold your hand through the whole process. We’ll be electing our new club officers at this meeting. If you’re interested in becoming a part of the Club's diverse and exciting officer board, give Mukesh Ahuja (club president) a ring at (415) 322-6184.

Directions
Take highway 101 to the Marsh Road exit. Take Marsh Road East. Turn right at the first stop light onto Bayfront. Turn right again at the second light on to Chilco. Turn left at the first stop sign into Raychem. Ask the guard for directions to our meeting room.

If you cannot attend the dinner, but would like to volunteer or suggest an event idea, please call our current events coordinators, John Keen G’94 at (415) 933-3401 or jkeen@sgi.com. Please respond so we can reserve your place for dinner. But you’re still welcome to come without an RSVP!
Should MIT teach people skills?
A Call For Sponsors

A number of MIT alumni including Bob Metcalfe, Steve Kirsch, Larry Birenbaum, Peggy Liu, and others have been working with MIT to set up a course that would teach MIT students the softer, interpersonal skills that are so critical in being successful in the real world. Selling skills, negotiation skills, presentation skills, and teamwork skills, are extremely important and can be successfully taught, yet MIT and most other institutions of higher learning do little to improve students’ skills in these areas.

In order to get this project off the ground, MIT is looking to raise $250,000 to fund, among other things, a full time staff member to develop and teach the course.

To date, over $100,000 has been raised. We are looking for donors of $25,000 or more who are interested in getting involved in this important project. If you are interested, please send e-mail to Steve Kirsch at stk@infoseek.com

Steve Kirsch ’78 is the founder of three successful companies: Frame Technology (maker of desktop publishing software FrameMaker, now a subsidiary of Adobe Systems NASDAQ:ADBE), Mouse Systems (maker of optical mouse), and Infoseek (Internet search engine NASDAQ:SEEK).

Bob Metcalfe ’69, Ph.D., the “Father of Ethernet”, is the founder of 3Com (a leader in computer networking products NASDAQ:COMS). He is the recipient of the 1996 IEEE Medal of Honor and now writes a weekly column for InfoWorld.

A Word From the Editor
Newsletter Changes

This Spring 1997 newsletter has gone through a major overhaul in an attempt to present its content more effectively and efficiently.

Please note that “event coupons” are no longer used for club activities. To sign up, mail your business card and a check for the cost of the event to the organizer listed with the event description of interest. Event fees are higher if not pre-registered.

If you have any comments or suggestions concerning this new format, please feel free to contact the VP of Communications. Your feedback helps to improve the newsletter and is always appreciated.

MIT CLUB OF NORTHERN CALIFORNIA LEADERSHIP, 1996-97

<table>
<thead>
<tr>
<th>OFFICE</th>
<th>NAME</th>
<th>PHONE</th>
<th>EMAIL ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Mukesh Ahuja G’88</td>
<td>(415) 323-7368</td>
<td><a href="mailto:ahuja@one-o.com">ahuja@one-o.com</a></td>
</tr>
<tr>
<td>VP - Events</td>
<td>John Keen G’94</td>
<td>(415) 933-3401</td>
<td><a href="mailto:jkeen@sgi.com">jkeen@sgi.com</a></td>
</tr>
<tr>
<td>VP - Young Alumni Events</td>
<td>Jonathan Claman ’93</td>
<td>(415) 969-0880</td>
<td><a href="mailto:jclaman@s3.com">jclaman@s3.com</a></td>
</tr>
<tr>
<td>VP - Career Development Events</td>
<td>David Leighton ’76</td>
<td>(408) 756-7361</td>
<td><a href="mailto:dave.leighton@lmco.com">dave.leighton@lmco.com</a></td>
</tr>
<tr>
<td>VP - Entrepreneurship Events</td>
<td>David Weitz ’87</td>
<td>(415) 354-4215</td>
<td><a href="mailto:dweitz@wsgr.com">dweitz@wsgr.com</a></td>
</tr>
<tr>
<td>VP - Sponsorship</td>
<td>Eric Jorgensen ’60</td>
<td>(408) 929-4058</td>
<td><a href="mailto:ericjorg@aimnet.com">ericjorg@aimnet.com</a></td>
</tr>
<tr>
<td>VP - Communications / Newsletter</td>
<td>Joanne Spetz ’90</td>
<td>(408) 739-8864</td>
<td><a href="mailto:jojo@ppic.org">jojo@ppic.org</a></td>
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<tr>
<td></td>
<td>Edward Tau ’95</td>
<td>(415) 742-6301</td>
<td><a href="mailto:eftau@factset.com">eftau@factset.com</a></td>
</tr>
<tr>
<td>VP - Electronic Communications</td>
<td>Michael Sarfatti ’76</td>
<td>(415) 885-2293</td>
<td><a href="mailto:mike@hia.com">mike@hia.com</a></td>
</tr>
<tr>
<td>VP - Finance</td>
<td>Angeli Maney ’89</td>
<td>(415) 780-9321</td>
<td><a href="mailto:angeli@infocomm.com">angeli@infocomm.com</a></td>
</tr>
<tr>
<td>VP - Membership</td>
<td>Fred Lam G’89</td>
<td>(510) 482-1419</td>
<td><a href="mailto:fredlam@aol.com">fredlam@aol.com</a></td>
</tr>
</tbody>
</table>

The MIT Club of Northern California is the premier regional alumni club of Massachusetts Institute of Technology. The club offers numerous resources in entrepreneurship, career development, and professional network in the Bay Area. In addition, the Club provides many opportunities for social interaction between MIT alumni as well as alumni from similar university clubs.

If you have suggestions for the Club, or interest in volunteering or organizing events, please contact any of the officer listed above. The Club is always in need of energetic and motivated alumni who are eager to be involved. To find out more about how you can be involved, come to our Annual Planning Meeting described on the front page.
INTERNET CONGESTION

How "Push" Computing Can End The Traffic Jams

"Push" computing is one of the hottest topics in the computer industry today. But most of the "push" that you read about is not really push. It's request/reply. In the request/reply model, an application must ask a specific site for information updates. To achieve the illusion of real-time data delivery, clients must make many repeated requests to determine whether content has changed. Many of the replies indicate that no new information is available, and the result is a flood of wasteful traffic on the network and wasted compute cycles on the server.

As more and more users make requests, performance becomes poorer and poorer, and the temptation to send more frequent requests grows. Experts have warned that this trend could lead to an "Internet meltdown."

The publish/subscribe model is true push computing. It allows information providers to efficiently distribute information as it becomes available. Subscribers receive the content in which they have registered an interest, without explicitly connecting to a site or an application. When an application using request/reply for information dissemination is upgraded to publish/subscribe, network traffic is reduced by 50% or more.

TIBCO is the leader in the commercial application of push technology. Virtually every major stock-trading floor in the world uses TIBCO's push technology as the basis for its market data infrastructure. Our speaker, Vivek Ranadive, will talk about the publish/subscribe model and describe how TIBCO and its partners (including Cisco, Sun, Oracle, Informix, BackWeb and others) are applying TIBCO's experience with push computing technology to the Internet.

Vivek Ranadive founded TIBCO, formerly Teknekron Software Systems, in 1985 in order to pursue his vision of a software bus: software that enables applications in heterogeneous environments to share information in an event-driven manner. The result of his vision, TIB ("The Information Bus"), is the first commercially available software to prove the viability of enterprise publish/subscribe technology. Today TIB software provides the high-performance messaging infrastructure for hundreds of companies including over 400 of the world's largest financial institutions and many leading US and international manufacturers. Vivek holds undergraduate and graduate degrees from MIT and an MBA from Harvard, where he was a Baker Scholar.

To RSVP, send your name, address, phone, email address, names of guests, and event fee to the address above. Please indicate whether you are a MITCNC member.

Come network with other women in technical fields who understand the issues that you are dealing with! This event is open to experienced entrepreneurs as well as "pre-entrepreneurs." Please also pass the word and invite other women in your industry who could benefit from expanding their network of women in the technical fields.

There is no cost for this event. So, please come for an evening of fun and good food!
New Enterprise Forum

New Ideas and New Ventures

<table>
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<tr>
<th>Date/Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Thursday</td>
<td>Arbuckle Lounge</td>
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<tr>
<td>May 1, 1997</td>
<td>Stanford University</td>
</tr>
<tr>
<td>6:00-10:00 pm</td>
<td>Business Building</td>
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</tbody>
</table>

Cost

- $20 Member w/ pre-registration
- $25 Non-Member/At-Door

Organizer (RSVP and More Info)

Ken Kaslow
(408) 765-1239
kkaslow@ix.netcom.com
1055 Valparaiso Avenue
Menlo Park, CA 94025

The New Enterprise Forum enables people with ideas for new ventures to meet others with business skills or financial resources for the purpose of starting new enterprises. Attendance is comprised primarily of Stanford Business School Alumni and members of the M.I.T. Club of Northern California. The program includes a presentation by a new or young company, generally in a hi-tech area.

The next event is Thursday, May 1, from 6 to 10 pm. Our featured company is PowerLab Studios, which develops Internet-based curriculum products for K-8 students and teachers. PowerLab is presently shipping products that enhance teaching and learning of science subjects, bringing technology into the classroom via the PC and the Internet and enabling the home-school connection. Reusable Java components and a streamlined development methodology are expected to efficiently provide future products. Michael Feldman, CEO, and Greg Cohen, VP of Marketing, long time members of the MITCNC, will discuss trends in the educational market and PowerLab’s product line and marketing and distribution strategy for rapid growth.

To register to the event, send a check payable to SBSAA and a self-addressed envelope to event organizer, Ken Kaslow. Your check should be accompanied with the following information: Name, Title, Company, Address, Telephone, Fax, E-mail address, Interest Category (ideas for new enterprise, business skills and/or money to invest), and a brief description of your background and/or the type of contacts you wish to make.

MIT/Stanford Venture Laboratory

A Laboratory in Entrepreneurship

The MIT Stanford Venture Laboratory is a public forum through which entrepreneurs, managers, executives - anyone really - can come to learn about the issues involved with starting and growing companies. Through an annual series of case studies and special presentations, the Venture Laboratory becomes just that - a laboratory where interested professionals gather to observe other companies, dissect their business plans, offer their own ideas and then watch as the company matures in real-world markets.

Venture Lab programs are held during alternate months on weekday evenings on Stanford University's campus. The presenting company presents an oral summary of its business plan, or a current issue, to a panel of industry experts. The skilled objective counsel of the panel, as well as the feedback from an audience of highly interested professionals, provides valuable help and guidance to the company. The programs are designed to ensure a rewarding experience for everyone involved. Many of the people that have served as panelists for Lab programs are visionaries and well respected members of their business communities. Generally, each forum begins with a short reception where the presenting company, panelists, and audience mingle prior to the formal presentation and discussion.

The audience of a Lab program is typically comprised of MIT and Stanford alumni, CEO's, senior business executives, venture capitalists, entrepreneurs and engineers.

Check out http://www.vlab.org for more information regarding calendar dates, which will be published on our site shortly. If you do not have access to the Web, you can call Conference Management Services at (415) 329-0510 or Carmen Hernandez at (510) 934-5164.

In addition to the formal program (limited to one hour), there will be plenty of time before and afterwards to meet and talk with other attendees. To help you identify those people most likely to have complementary interests to yours, name tags are be color coded: red for those with new ideas, blue for those with business skills, and gold for those with money to invest. A few students are also invited, and will have silver badges. We provide a buffet dinner, limit the number of attendees to 100, and provide a detailed roster to all attendees.

The New Enterprise Forum and the Venture Laboratory offer their own ideas and then watch as companies, dissect their business plans, presentings companies. Through an annual series of case studies and special presentations, the Venture Laboratory becomes really - can come to learn about the issues involved with starting and growing companies. The MITCNC, will discuss trends in the educational market and PowerLab’s product line and marketing and distribution strategy for rapid growth.

Entrepreneurs Roundtable

Ongoing Discussion Group

<table>
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<th>Date/Time</th>
<th>Location</th>
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<tr>
<td>Thursday, April 24</td>
<td>Ramona Pizza</td>
</tr>
<tr>
<td>Thursday, May 29</td>
<td>Palo Alto</td>
</tr>
<tr>
<td>Thursday, June 26</td>
<td>Between University</td>
</tr>
<tr>
<td>Thursday, July 24</td>
<td>and Hamilton</td>
</tr>
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Organizer (RSVP and More Info)

Tom Veatch
(415) 988-8025, tv@sprex.com

Do you need a support group filled with smart, enterprising individuals who you can meet with informally over pizza and a beer to discuss ideas and business issues? That's precisely what roundtable discussion groups are designed to do! A roundtable discussion group has been meeting in Palo Alto for the past several months. Every meeting is held on the last Thursday of the month at 7pm, at Ramona’s Pizza in Palo Alto (on Ramona between University and Hamilton). Please come and join us!
Entrepreneurship Speaker Series:  
*Infusing Capital Into Your Business Through Government Funding*  

<table>
<thead>
<tr>
<th>Date/Time</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>Wilson, Sonsini, Goodrich, and Rosati</td>
</tr>
<tr>
<td>May 6, 1997</td>
<td>650 Page Mill Road</td>
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<tr>
<td>6:30 Reception</td>
<td>2700 Mission College</td>
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<tr>
<td>7:30 Presentation</td>
<td>Palo Alto</td>
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<td></td>
<td>Non-Member/At-Door</td>
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<td>$10</td>
<td>$15</td>
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</table>

Organizer (RSVP and More Info)  
David Weitz  
(415) 354-4215  
dweitz@wsgr.com

Everyone has seen the following line: Congratulations!! You May Have Won $1 Million!!!

However, when you read the fine print you discover that you have one in a big ugly number chance of being selected as the winner. Don’t despair. Even if the Prize Patrol hasn’t come knocking on your door lately, you can still win $1 million (or more, or less) and from the U.S. government of all places! We’ll show you how.

Each year, the federal government awards billions of dollars in R&D contracts. Much of this money flows to small businesses. Small companies benefit from R&D grants in many ways. For example, grants allow companies to pursue high-risk, high-payoff research programs, develop and launch new products, leverage the funds to attract venture capital and other investment, tap the vast resources of federal agencies and laboratories, and become nationally recognized. Plus, the mere act of writing a proposal forces the company to organize and crystallize its thoughts, and to address the key technical and commercial issues critical to success.

Despite budget cuts for some federal agencies and programs, the overall climate for government-supported innovation is improving. However, competition for government funding is becoming more and more difficult with businesses looking to experts in increasing numbers to enhance their odds of winning a grant. Overall, only a few percent of the proposals submitted are successful.

On May 6th, the MIT Club is proud to host a discussion with Sorab R. Vatcha, Ph.D., who will discuss the pros and cons of pursuing government funding and provide some pointers for how to improve your chances of being selected for a government grant. Some of the issues he will address include:

- opportunities for small businesses to receive R&D funds
- benefits and drawbacks of participation
- types of competitions and awards;
- tips for preparing winning proposals
- the proposal review process and odds of winning
- legal and administrative issues
- red flags to watch out for and avoid
- resources for further information and assistance

This discussion should be useful to entrepreneurs and owners of small technology-based businesses to improve the chances of success.

Sorab R. Vatcha is a technology and management consultant whose practice focuses on companies in process industries. He helps clients in the chemical, materials, and energy industries improve their economic and environmental performance. With more than 20 years of industrial and consulting experience, he speaks and writes frequently about technical, managerial, and environmental topics. While waiting patiently for the Prize Patrol to knock on his door, he has written proposals that have won R&D contracts and has managed government-sponsored R&D projects. He has an SM in management of technology from MIT and a PhD in chemical engineering from Caltech. He is also an active member of the MITCNC and its Entrepreneurship Program.

Light refreshments will be served.

The Indus Entrepreneurs  
*“Growing an Enterprise Successfully”*  

Date/Time | Location  
-----------|-----------|
Saturday, May 17 | Santa Clara Marriott  
- through - | 2700 Mission College  
Sunday, May 18 | Santa Clara  

For More Information  
Mukesh Ahuja G’88  
(415) 323-7368  
ahuja@one-o.com  
TiE’s web site http://www.tie.org

The Indus Entrepreneurs (TiE) has been extremely active in promoting entrepreneurial activities for the last four years. Many well known entrepreneurs from the Indian subcontinent including MIT alum Suhas Patil ’70 (founder of Cirrus Logic) were instrumental in making TiE a highly successful organization.

TiE’s annual conference, TiEcon 97 is being held on May 17 and 18 at the Santa Clara Marriott Hotel. This year’s theme is “Growing an Enterprise Successfully”. The conference will include well-recognized keynote speakers, CEOs, senior executives, and consultants. Past TiEcon speakers include: Larry Ellison, Vinod Khosla, and Dr. Gordon Bell.

Whether you are an entrepreneur who has just started or is dreaming about starting out on your own, or one facing an abundance of growth opportunities, you want to engage with and network with expert panelists on topics of great importance to you. Only 600 registrations will be sold. All past conferences were sold out early. All registrations are fully refundable until May 10 and are transferable.
Catalyzing The Launch of Successful Software Businesses
Silicon Valley Association of Software Entrepreneurs

"Financing the Software Venture"
A Seminar Presented by Steven Bennet, Bodega Partners

Why do some software entrepreneurs receive millions in venture capital, while others are forced to rely on cash advances off personal credit cards? Although marketing and engineering are typically the keys to a software product's acceptance in the marketplace, financial and business strategy play the most important role in getting to that stage.

This seminar examines the different types of financing available for software ventures. Equity, debt, distribution agreements, strategic partnerships, and other financing strategies are reviewed, along with their typical financing sources: venture capitalists, angels, banks, government, and corporations. The software business plan is studied in-depth with emphasis on the business model, strategic plan, competitive advantage, and financing strategy.

The goal of the seminar is to instruct, coach, and guide seminar participants in preparing a business plan geared toward angel or venture capital funding sources.

The seminar will consist of two Saturday morning lecture and discussion sessions and a third presentation session. At the presentation session, selected seminar participants will be given the opportunity to pitch their business plan to an assembly of venture capitalists and angel financiers.

Pension Fund Real Estate Investing Through the Next Century

Part Three: A Case Study of Mission Bay, San Francisco

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<thead>
<tr>
<th>Date/Time</th>
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<th>Cost</th>
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<tbody>
<tr>
<td>Friday</td>
<td>L'Olivier Restaurant</td>
<td>Member w/ pre-registration $30</td>
</tr>
<tr>
<td>May 30, 1997</td>
<td>465 Davis St.</td>
<td>Non-Member/At-Door $35</td>
</tr>
<tr>
<td>11:45 am -</td>
<td>Gateway Center</td>
<td></td>
</tr>
<tr>
<td>1:30pm</td>
<td>San Francisco</td>
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We will complete this year's discussion on pension fund real estate investing opportunities through the next century with a presentation on the exciting development opportunities being proposed by Catellus Development Corporation (Catellus) for Mission Bay in San Francisco. California's Public Employees Retirement System (CalPERS) is one of Catellus' major stockholders, and CalPERS hopes that its long-term investment in Catellus will return major dividends to its pension plan members.

Catellus is a full service real estate company that holds 855,170 acres of undeveloped land, 1.41 million square feet of income producing property, 5400 acres of land leases and interests in eight joint ventures. Headquartered in San Francisco, about 80 percent of the company's assets are located in California with the balance mainly concentrated in the Dallas, Chicago and Phoenix metropolitan areas. Catellus is one of the largest landowners of undeveloped properties in the Bay Area; Catellus currently has major plans and/or development underway in Emeryville, Fremont, Richmond, and San Francisco.

San Francisco's Mission Bay may be Catellus' most well publicized site having been chosen as the new location for the University of San Francisco's campus of the future. Plans for Mission Bay include up to:

- 2,650,000 square feet of University space (a 44-acre campus)
- 350,000 square feet of retail entertainment to complement the adjacent planned Giant's Ballpark Stadium
- 450,000 square feet of retail commercial
- 5,000,000 square feet of R&D/Office and Biotech
- 6000 residential units, 15% of which will be designated for affordable housing

Andrea Jones, Project Manager of Mission Bay, will provide us with an inside view on the planned development. The session will be moderated by Libby Seifel, who is the redevelopment consultant for Catellus and the San Francisco Redevelopment Agency. Space is limited so RSVP early.

To RSVP: Send your name, address, phone, email address, names of guests, and event fee to the above address. Please indicate whether you are a MITCNC member in your response!
Copyright and the Internet
Prof. Pamela Samuelson, University of California at Berkeley

As we all know, the Internet is one big copying machine. That makes copyright owners nervous. Among the most contentious issues of contemporary copyright law is whether this law does or should grant copyright owners the right to control temporary copies made in the RAM of a computer. This has substantial ramifications for the legality of many uses of information on the Internet. The Clinton Administration's White Paper on Intellectual Property and the National Information Infrastructure took the position that copyright owners do have such a right already. The Administration also supported treaty language that would have made protection for temporary copies an international norm in the copyright treaty negotiated in Geneva in December 1996. Although the final treaty did not contain such a provision, there will be ongoing debate on the subject in the US and elsewhere. Members of the computing professional's community can help policymakers understand when (if ever) temporary copies should be controlled and how.

Our speaker, Pamela Samuelson, specialized in intellectual property law. She is a Professor at the University of California at Berkeley with a joint appointment in the School of Information Management and Systems and the School of Law. From 1981 until 1996, she was a member of the faculty at the University of Pittsburgh Law School. She has been a Visiting Professor of Law at Cornell, Columbia, and Emory Universities. She has written and spoken extensively about the challenges that new information technologies are posing for traditional legal regimes.

To RSVP, send your name, address, phone, email address, names of guests, and event fee to the address above. Please indicate whether you are a MITCNC member in your response!

Nanotechnology
Where are we?

Dr. Deepak Srivastava, of the Computational Molecular Nanotechnology Group at NASA Ames Research Center, will review the concepts, possibilities, and applications of bottom-up technology of assembling materials atom-by-atom. The last few years have seen rapid technological advances such as atomic scale manipulation of complex material or mechanical systems. Computer simulation models regularly predict energetic, dynamic and electronic properties of materials for the future. The advances in many divergent fields are addressing the issues raised in the design of many molecular manufacturing systems with greater sophistication than would have been expected only a few years back. The talk will summarize the advances relevant to molecular nanotechnology and will discuss the dynamics of a laser powered molecular motor.

Deepak Srivastava received his Ph.D. in theoretical physics from University of Florida in Gainesville, Florida. His research expertise includes classical and quantum simulations of molecular dynamics in solid state materials, simulations of laser powered carbon nanotube gears and motors, molecular mechanical structures of fullerenes and carbon nanotubes, high-performance parallel computing for material simulations, and chemical vapor deposition of diamonds and semiconducting materials.

Directions: Building 20 is the large, curved white building at the intersection of Shoreline Blvd and Hwy 101. Take the Shoreline Blvd exit from Hwy 101 and turn on Shoreline towards the bay. Make a right turn into the parking lot when you see the big "Silicon Graphics" sign. As you go in the main entrance, the Granite room will be on your right, just beside the lobby area. For a map, see http://www.sgi.com/Overview/maps.html.

To RSVP, send your name, address, phone, email address, names of guests, and event fee to the address above. Please indicate whether you are a MITCNC member in your response!
MIT Alumni Travel Program Offers “WORLD” of Opportunities

See the world with MIT

The MIT Alumni Travel Program is offering many exciting programs to destinations throughout the world in 1997. All of our programs include an educational component and the chance to see and learn about many areas of the world. Join your fellow MIT alumni and discover these fascinating places.

1. The Yenisey River, June 26-July 10. Following a 2-night stay in St. Petersburg, we will fly to the heart of Siberia and cruise the Yenisey River for a thrilling 9-day journey from Krasnoyarsk to Dudinka, visiting the towns and settlements along the way. The program concludes with one night in Moscow.

2. A Swiss Walking Tour, September 8-16. Enjoy the beauty of Switzerland as we explore gentle walking paths high in the mountains. Included in the itinerary are visits to two electric power stations, charged with the task of powering this land locked nation. We will travel by various modes of transportation, including trains, funiculars and postal buses, as we travel from Engelberg to Zermatt and Lucerne.

3. Scotland: Historic Tradition and Modern Technology, September 15-25. Join fellow alumni and MIT professor emeritus Ernst Frankel as he leads the group on a tour of Glasgow, Edinburgh and through the Grampian Highlands. We will learn about the architecture of Charles Rennie Mackintosh, visit two computer companies in Glasgow, and learn about Scotland’s history of industry, and examine current day commerce in this beautiful country steeped in tradition.

4. Tanzania Safari (and optional Mt. Kilimanjaro Climb), September 25-October 4. MIT professor emeritus Patrick Leehy leads the group on safari through the Ngorongoro Crater-Africa’s Garden of Eden, Lake Manyara National Park and Tanganiger National Park. This trip is ideal for photography buffs; one of Professor Leehy’s talks will focus on proper camera usage to capture the wildlife and the people of Africa. And for those looking for an adventure, a pre-extension to climb Mount Kilimanjaro will depart September 18th. The group will be accompanied by a guide and porters. Rise to the Challenge!

5. Solar Eclipse Caribbean Cruise, February 23-March 5, 1998. Join our onboard team of astronomers and astrophotographers as we cruise through the Caribbean and prepare for a total solar eclipse. Throughout the cruise, lectures and slide presentations will be offered as we prepare for the moment of totality. We will sail on board Stella Solaris and visit the islands of Curacao, Aruba, Grand Cayman and Cozumel.

Many other exciting programs have been planned for 1997 including a cruise on board the Six-Star Song of Flower to the Greek Islands and the Turkish Coast in August; a cruise through the Baltic Sea from Copenhagen to St. Petersburg in June; and a voyage to Antarctica in January of 1998. For more information, please contact the MIT Alumni Travel Program office at 800-992-6749 or <compass@mit.edu>.

Please check out our web site at:
http://web.mit.edu/alum/www/Information/Travel/

Community Service Event
Mount Diablo Trail Clearing

Join us for a vigorous day on Mount Diablo improving the trails. Next outing is May 10. Meet at Mitchell Canyon trailhead at 8 AM.

For more information, please contact:
Bob Manlove (Class of ’59)
(510) 946-0349.

http://web.mit.edu/alum/www/Information/Travel/
Geothermal Power Plant Tour
Repeat by popular demand!

**Date/Time**  **Location**
Saturday  May 17, 1997
9:30am

**Cost**
$5  Members
$10  Non-Members

**Organizer (RSVP and More Info)**
Sudhanshu Jain
(415) 363-8723 (Home)
(408) 495-2521 (Work)
suds@baynetworks.com
706 Cassia Street
Redwood City, CA 94063

Since the Geothermal Plant tour on March 22 filled up so fast, we got PG&E to agree to host it again on May 17, 1997.

Ever wonder how to convert geothermal energy into electrical power? You can see how it’s done on this tour of the Geyers geothermal power plant. It’s located about 90 miles north of San Francisco near the vineyards of the Alexander Valley in Sonoma County.

We will meet at a cafe in Healdsburg at 9:30 AM and leave for the plant together at 10 AM. It will take about an hour to get there. Our guide will meet us at the front gate and escort us in. He will show us around the administration building where we will see models of the systems, and then he will take us through the newest of the 14 plants. It is in full operation so it should be loud and impressive. The tour will last about 2 hours so we should be done at about 1 PM and then drive back.

Attendance is limited to 20 people. Directions will be sent to attendees. If you were turned away from the March 22 tour, you are NOT automatically on the list for this one. Please send a new registration to “Suds” Jain. Please send a SASE and check by May 7.

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**Stanford Taiko**

**Spring Concert**

**Date/Time**  **Location**
Monday  May 5, 1997
8:00pm

**Cost**
$5  Children or Stanford students
$10  Adults

**Organizer (RSVP and More Info)**
Edward Tau
(415) 742-6301
eftau@factset.com
2677 Cromwell Row
S. San Francisco, CA 94080
http://www-leland.stanford.edu/group/StanfordTaiko/

In Japanese, Taiko literally means “drum,” though the term has also come to refer to the art of Japanese drumming. Taiko has been a part of the Japanese culture for centuries. Historically, Taiko has existed in a multitude of disparate environments: agrarian, sacred, military, theater, and the royal court. More recently, Taiko has enjoyed not only a resurgence of interest in Japan, where there are over 4,000 Taiko ensembles, but also transplantation and evolution in North America. In this country, Taiko has become a rich and varied form of drumming, as idiomatically North American as jazz or American Indian drumming.

The Stanford Taiko Group’s repertoire consists of traditional arrangements of pieces as well as original songs composed by members—"Falling Rain," "Hanabi" (fireworks), "Tatsumaki" (tornado), and "Amaterasu" (Sun Goddess). As in the case of most Taiko groups, their arrangements are constantly evolving, mostly due to the addition of new instruments and/or members.

To RSVP, send your name, address, phone, email address, names of guests, and event fee to address above. Please indicate whether you are a MITCNC member in your response!

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**Inter-Collegiate Happy Hours**

**Young Alumni of the Bay Area**

**Date/Time**  **Location**
Thursday  May 22, 1997
6:00pm

**Cost**
No cover  Before 10:00pm
$1  Microbrews

**Organizer (For More Info)**
Contact: Andy Cohen (Hahvahd ’92)
(415) 441-8636
acohen@netwizards.net

Join alumni from Berkeley, Brown, Columbia, Cornell, Dartmouth, Harvard, MIT, Penn, Princeton, Stanford, Tulane, Virginia, Wellesley, and Yale for happy hours this year! Young Alumni of the Bay Area is a new group (looking for a better name -- if you have one, please suggest it!).

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MIT CLUB OF NORTHERN CALIFORNIA  9
MIT CNC Happy Hours

“Drink Rum, Drink Rum, Drink Rum All Day and Come Along With Us...”

Happy Hour in Menlo Park
Co-hosted with Smith Alumni Club
Thursday, May 8, 7pm
BBC
1090 El Camino Real
(415) 327-8769

Directions: Take 101 to University Avenue west. Go right on El Camino Real. BBC will be on your right after about one mile.

Happy Hour in Sunnyvale
Thursday, June 12, 7pm
Fibber MaGee’s
156 Murphy Street

Directions: Take 101 to Mathilda Avenue south toward Sunnyvale. Turn left on Washington Street. Turn left on Murphy Street. Fibber MaGee’s will be on your right.

Contact: Jonathan Claman ’93
(415) 969-0880
jclaman@s3.com

Backpacking in Big Sur

Last Fall’s Trip Rescheduled

<table>
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<th>Date/Time</th>
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<tr>
<td>Weekend of May 9-11</td>
<td>Ventana Wilderness and Pfeiffer Big Sur State Park</td>
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<tr>
<th>Cost</th>
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<td>$20</td>
<td>Members</td>
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<tr>
<td>$25</td>
<td>Non-Members</td>
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Organizer (RSVP and More Info)
Joanne Spetz ’90
(408) 739-8864
jojo@ppic.org
382 Stowell Avenue
Sunnyvale, CA, 94086

Last fall, we had an enthusiastic response for our backpacking trip in the Ventana Wilderness. Unfortunately, a forest fire burned out our trail, so we cancelled the trip. We have a new route planned and will be doing a trip this spring! Experienced and beginner backpackers (and everyone in between) are invited to join us for a trip through some of the Ventana Wilderness’s beautiful country. We will meet at a public campground in Pfeiffer Big Sur State Park and stay there Friday night. Saturday morning, after a hearty Saturday morning, after a hearty breakfast, we will venture into the wilderness.

This trip is limited to 12 people. No dogs allowed. Those who expressed interest in the trip last fall have priority for the event. Please respond early so we can organize the trip!

To RSVP, send name, address, phone number, email address, event fees, and a list of camping equipment you have. Please indicate if you need a ride or if you can provide a ride for carpooling. Also, please indicate if you have special dietary needs. TO RESERVE YOUR SPACE, YOU MUST SEND A CHECK TO PAY FOR THE EVENT!

MIT: The Impact of Innovation

Research conducted by BankBoston

"MIT: The Impact of Innovation," a report prepared by the BankBoston Economics Department, presents the results of a major new study on the national economic impact of companies founded by MIT alumni and alumnae. Among other findings, the study reveals that MIT graduates have founded 4,000 companies, creating 1.1 million jobs worldwide and generating annual sales of $232 billion. To our knowledge, this is the first national study demonstrating the key role that higher education and research play in the economic vitality of this nation. This report is available online at: http://web.mit.edu/newsoffice/founders/1997 MIT Commencement

131st Commencement of MIT features keynote speaker, Kofi Annan SM ’72, UN Secretary General

The 131st Commencement Exercises of the Massachusetts Institute of Technology will be held on Friday, 6 June 1997 at 10:00 am in Killian Court in Cambridge. All degrees will be awarded at that time. We are pleased to announce that this year’s guest speaker will be His Excellency Kofi Annan SM 72, secretary-general of the United Nations.

Kofi Annan, the seventh Secretary-General of the United Nations who was Under-Secretary-General for Peacekeeping Operations at the time of his appointment, brings to the position a wealth of experience and expertise gained through more than three decades of service with the world Organization. A national of Ghana who is fluent in English, French and several African languages, he was appointed on 17 December by the General Assembly to serve a term of office from 1 January 1997 through 31 December 2001. Mr. Annan came to MIT as a Sloan Fellow early in his UN career.
This newsletter is brought to you by

**Applied Materials**

For three decades, Applied Materials has been among the pioneers of the Information Age. The leading supplier of manufacturing systems and services to the global semiconductor industry, we make possible the microchips that are revolutionizing life as we know it.

*Our corporate facilities are in Santa Clara, California. With research, development and manufacturing centers in the United States, Europe and Japan; as well as technology centers in Israel, Korea and Taiwan, we have a global presence to coincide with our global marketplace.*

*The primary goal of the CVD Product Business Group is to provide total chemical vapor deposition (CVD) solutions needed to compete successfully in a rapidly changing semiconductor industry. Committed to developing new CVD solutions as well as innovative high performance enabling products, we rapidly commercialize the new technologies that turn ideas into viable products. Our product development capability allows us to enter new subsegments within the overall CVD market, as well as create applications based on enabling technologies. A solid team of outstanding employees, along with our diversified product portfolio, enable us to maintain over 50% of the CVD market - more than all of our competitors combined! We have exciting and diverse career opportunities that support creativity and team involvement. Present openings exist in the following areas: Process Technology, Engineering Technology and Software Technology. We provide excellent compensation and a comprehensive benefits package. EOE.*

Interested candidates are encouraged to contact us. Please refer to the back page of this newsletter for our specific address information.
Do you want to be part of the solution?

For 30 years, Applied Materials has been among the pioneers of the Information Age. As the leading supplier of manufacturing systems and services to the global semiconductor industry, we make possible the microchips that are revolutionizing life as we know it. One of the major product groups of Applied Materials, the CVD Product Business Group, has steadily expanded over the last decade. We enable our customers’ business success by providing total solutions through product innovation and support. If you would like to be part of those solutions, we’d like to hear from you. Visit our website at http://www.appliedmaterials.com/html3/. Interested candidates are encouraged to submit their resume to Theresa Leyerle via fax 408.986.2600 or e-mail leyerle_theresa@amat.com.

CVD

Delivering Total Solutions Worldwide

MIT Club of Northern California
Alumni Records
Cambridge, MA 02139

ADDRESS CORRECTION REQUESTED