

**SCIENCE AND ENGINEERING COUNCIL  
of Santa Barbara, Inc.**

**TECHNICAL  
SERVICES  
DIRECTORY**

**2008**  
[Updated 18 June 2008]

**SCIENCE AND ENGINEERING COUNCIL**  
Email: [scieng@silcom.com](mailto:scieng@silcom.com)  
Website: [www.scieng.org](http://www.scieng.org)

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**Founded August 1960**  
**Incorporated August 1966**  
**A Non-Profit Corporation in the**  
**State of California**

## CORPORATE MEMBERS

Area Code: 805 (unless noted otherwise)

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\*\* -- after a name indicates Delegate to SEC

\* -- after a name indicates Alternate Delegate to SEC

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### **ACROAMATICS, INC.**

70 South Kellogg Avenue, Suite A, Goleta 93117

967.9909

Email: [mal@acroamatics.com](mailto:mal@acroamatics.com)

Fax: 967.8375

Website: [www.acroamatics.com](http://www.acroamatics.com)

#### MAJOR ACTIVITIES

Computer based data acquisition systems, telemetry data processing equipment, computer operating systems software

#### KEY PERSONNEL

Peggy Van Hook \*\* – COO

Bill Stahl – CEO

Robert Danford – CTO

Malcolm L. Lewis \*\* – Support Specialist

Number of Employees: 20

Scientific and Engineering Personnel: 15

Building Space: 9,000 square feet

### **ANDERSON SYSTEMS**

5958 Corta Street, Goleta 93117

683.6133

Email: [adeane@andersys.com](mailto:adeane@andersys.com)

Fax: 964.2357

Website: [www.andersys.com](http://www.andersys.com)

#### MAJOR ACTIVITIES

Incorporated in 1986 Anderson Systems is a full service Mechanical Contractor uniquely tailored to support both emerging and established micro-electronic and biomedical clients.

With a licensed engineering staff, experienced project managers and close working relationships with leading industry consultants, Anderson Systems is the south coast's leading authority in design, construction and support of technical oriented facilities.

#### KEY PERSONNEL

Jerry Anderson \*\* – President

Brian Sanders \*\* – Vice President

Michael Cokeley \* – Vice President

Andrew M. Deane, PE \* – Principal Engineer

Number of Employees: 40

Scientific and Engineering Personnel: 3

Building Space: 2,000 square feet

## **ASTRO AEROSPACE**

6384 Via Real, Carpinteria 93013-2920  
Website: [www.Astro-Aerospace.com](http://www.Astro-Aerospace.com)

684.6641  
Fax: 684.3372

Subsidiary of Northrop Grumman

### MAJOR ACTIVITIES

Manufacturer of deployable lightweight structures for space applications; space antennas; instrument booms; solar array deployers and space station structures.

### KEY PERSONNEL

John A. Alvarez \*\* – Director, Engineering  
Geoffrey Marks \*\* – Chief Engineer  
Peter Vilkas \* – Director, Business Management  
Edward Keay \* – Director, Marketing

Number of Employees: 71  
Scientific and Engineering Personnel: 50  
Building Space: 50,000 square feet

## **ATK MISSION RESEARCH**

### **Advanced Product and Technologies**

6755 Hollister Avenue, Suite 200, Goleta 93117  
Website: [www.atk.com](http://www.atk.com)

961.8600  
Fax: 961.8676

### MAJOR ACTIVITIES

ATK Mission Research is a division of ATK Integrated Systems that focuses on research and development of advanced technologies that will enhance the products of other ATK business groups, as well as address national security and homeland defense needs in areas such as electro-optical and infrared sensors, chemical, biological, and radiological stand-off and portable detection, and system survivability.

### KEY PERSONNEL

Don Pritchett, PhD \*\* – Principle Investigator  
Neal Carron, PhD \*\* – Principle Investigator  
Tom Old, PhD \* – Chief Scientist  
Rudolph Goldflam , PhD \* – Chief Scientist  
Bruce King, PhD – Physicist / Engineer  
Kathy Doughty, PhD – Physicist / Engineer  
Matt Thomas – Senior Engineer  
John C. Baker, MS – Electrical Engineer

Number of Employees: 40  
Scientific and Engineering Personnel: 30

## **ATK SPACE SYSTEMS-GOLETA**

60 Pine Avenue, Goleta 93117-3831

685.2262

Website: [www.atk.com](http://www.atk.com)

### MAJOR ACTIVITIES

ATK Space Systems-Goleta, formerly Able Engineering, is a subsidiary of Alliant Techsystems (ATK) and is a leading provider of deployable structures, solar arrays, and special-purpose mechanisms for space applications. This location also designs, builds, and manufactures antennas and radomes for radar and communications.

### KEY PERSONNEL

David Messner \*\* – Director  
Mike Eskenazi \*\* – Engineering Manager  
Gary Heinemann \* – Mechanical Engineer  
Earl Beers \* – Principle Investigator

Number of Employees: 50 (in Goleta location)  
Scientific and Engineering Personnel: 35

## **AT&T GOVERNMENT SOLUTIONS**

An AT&T Company

5383 Hollister Avenue, Suite 200, Santa Barbara 93111-2304

964.7724

P.O. Box 6770, Santa Barbara 93160-6770

Fax: 967.7094

### MAJOR ACTIVITIES

Simulation and analysis of high-tech systems and concepts. Emphasis on systems and mission analysis, cost and risk assessment. Provides innovative, high-quality, information and technology-based solutions to military, civil and commercial clients internationally. Complex information systems, advanced technology development, training, manufacturing technology and simulation are expanding areas in defense, while the commercial focus is on computer software, interactive multi-media training, materials testing products and services, library systems, security products and support.

### KEY PERSONNEL

Philip M. Pazich, PhD \*\* – Manager, Space and Technology Program  
Anthony P. Vitello, PhD \*\* – Director, Analysis and Simulations  
Dennis Cooper \* – Manager, Analysis Department

Number of Employees: 36  
Scientific and Engineering Personnel: 24  
Building Space: 24,000 square feet

## **BEI INDUSTRIAL ENCODER**

7230 Hollister Avenue, Goleta 93117-2891  
Email: [glenn@beiied.com](mailto:glenn@beiied.com)  
Website: [www.beiied.com/](http://www.beiied.com/)

968.0782  
Fax: 968.6523

### MAJOR ACTIVITIES

Manufacture Optical Encoders (Position Sensors)

### KEY PERSONNEL

Glenn Avolio \*\* – Vice President and General Manager  
Les Wolff \*\* – Senior Electrical Engineer  
Scott Orlosky \* – Sales and Marketing Manager

## **BENGAL ENGINEERING INC.**

250 Big Sur Drive, Goleta 93117  
Email: [scott@bengalengineering.com](mailto:scott@bengalengineering.com)  
[md@bengalengineering.com](mailto:md@bengalengineering.com)  
Website: [www.bengalengineering.com](http://www.bengalengineering.com)

563.0788

### MAJOR ACTIVITIES

Bengal Engineering provides civil and structural engineering for corporations and government agencies for heavy structure, sitework building and transportation projects.

### KEY PERSONNEL

Md. Wahiduzzaman \*\* – General Partner  
Scott Onishuk \*\* – General Partner  
Abu S. Israil, PhD – Partner

## **BRYLEN TECHNOLOGIES, INC.**

ISO 9001 CERTIFIED – ISO 17015 ACCREDITED  
275 South Orange Avenue, #A, Santa Barbara 93117  
Email: [barbara.tzur@brylen.com](mailto:barbara.tzur@brylen.com)  
Website: [www.brylen.com/](http://www.brylen.com/)

692.9300  
Fax: 692.1966

### MAJOR ACTIVITIES

- Measurement Standards Laboratory
- Calibrates and Repairs Measuring Equipment
- Performs Precision Inspection
- Certifies Cleanroom Environments
- Assists with ISO9000-2000 and International Regulatory Compliance

### KEY PERSONNEL

Barbara Tzur \*\* – President  
Richard Jones, Sr. – Laboratory Supervisor

Number of Employees: 5  
Scientific and Engineering Personnel: 4  
Building Space: 2,000 square feet

**COMMUNITY WEST BANK**

445 Pine Avenue, Goleta 93117 (Corporate)  
5827 Hollister Avenue, Goleta 93117 (Branch)  
P.O. Box 249, Goleta 93116-0249  
Email: info@goleta.com  
Website: [www.communitywestbank.com](http://www.communitywestbank.com)

692.5821  
Fax: 692.8902

A Community West Bancshares Company

MAJOR ACTIVITIES

Financial, SBA

KEY PERSONNEL

Lynda Nahra \*\* – President / CEO

Number of Employees: 145  
Building Space: 20,700 square feet

**EMPIRICAL SYSTEMS AEROSPACE**

561 Air Park Drive, Hanger D, Oceano 93445  
P.O. Box 595, Pismo Beach 93448-0595  
Email: staff@esaero.com  
Website: [www.esaero.com](http://www.esaero.com)

275-1053  
Fax: 275-1053

MAJOR ACTIVITIES

Conceptual Design and Concept Development of Air Vehicles and Systems

KEY PERSONNEL

Andrew Gibson \*\* – President  
Benjamin Schiltgen \*\* – Vice President of Operations  
Trevor Foster \* – Vice President of Technology  
Jonathan Keith \* – Vice President of Finance

Scientific and Engineering Personnel: 4  
Building Space: 2,000 square feet

## **ENERPRO, INCORPORATED**

5780 Thornwood Drive, Goleta 93117-3802  
Email: Frank@enerpro-inc.com  
Website: [www.enerpro-inc.com/](http://www.enerpro-inc.com/)

683.2114  
Fax: 964.0798

### MAJOR ACTIVITIES

Design, development and manufacture of:

- High power thyristor assemblies for power supplies and motor controls
- Thyristor trigger and regulator circuit boards
- Medium voltage solid-state switch
- Power factor capacitor switches
- Battery chargers for electric busses and locomotives
- Wind Generator Controls
- Water Treatment Power Supplies

### KEY PERSONNEL

Frank J. Bourbeau \*\* – President  
Robert Thies \* – Operations Manager  
Saul Rivera \*\* – Engineering Manager  
Konrad Ancheta – Applications / Test Supervisor  
Janice Lara \* – Production Manager  
Ana Barreto – CFO / HR Manager

Number of Employees: 27  
Scientific and Engineering Personnel: 4  
Building Space: 7,800 square feet

## **ENTRIX, INC.**

2140 Eastman Avenue, Suite 200, Ventura 93003  
Email: tmurphy@entrix.com  
Website: [www.entrix.com](http://www.entrix.com)

644.5948  
Fax: 658.0612

### MAJOR ACTIVITIES

Environmental consulting services; water resources; energy infrastructure planning and permitting; natural resource planning; soil and water quality and remediation.

### KEY PERSONNEL

Tim Murphy, AICP \*\* – Senior Consultant  
Dan Tormey – Technical Director  
Laura Riege – Senior Biologist, Restoration Ecologist  
Chip Blankenhorn – Senior Engineer

Number of Employees: 20 in Ventura; 300 firm-wide  
Scientific and Engineering Personnel: 16 in Ventura  
Building Space: 3,000 square feet

**GREENERIDGE SCIENCES, INC.**

1411 Firestone Road, Goleta 93117  
4512 Via Huerto, Santa Barbara 93110-2324  
Email: [cgreene@greeneridge.com](mailto:cgreene@greeneridge.com)

967.7720  
Fax: 967.7720

MAJOR ACTIVITIES

Perform underwater acoustics research, field studies and systems engineering. Support marine biologists studying animal behavior under the influence of sounds, especially sounds from industrial and government activities. Develop and provide systems of hardware and software for underwater data acquisition, analysis and interpretation, including autonomous sound recording systems and radio-linked buoy systems (moored sonobuoys).

KEY PERSONNEL

Charles R. Greene, Jr., PhD \*\* – Principal  
William C. Burgess, PhD \*\* – Senior Research Engineer  
Susanna B. Blackwell, PhD \* – Senior Scientist

Number of Employees: 6  
Scientific and Engineering Personnel: 5  
Building Space: 720 square feet

**KOLLABRA CONSULTING, INC.**

2422 Lindbergh Street, Auburn 95602  
Email: [robb.moore@kollabra.com](mailto:robb.moore@kollabra.com)  
Website: [www.kollabra.com](http://www.kollabra.com)

800-565.5227,x217  
Fax: 866-565.5227

MAJOR ACTIVITIES

Product development/engineering firm  
Offices in Auburn, Goleta, San Jose, Santa Paula

KEY PERSONNEL

Jason Schmidt \*\* – Senior Mechanical Engineer and Regional Manager,  
Santa Barbara  
Geoff Carter \* – Senior Mechanical Engineer and Regional Manager, Ventura  
Robb Moore \*\* – CEO  
Andrea Moore \* – Human Resources Director

Number of Employees: 26  
Scientific and Engineering Personnel: 23  
Building Space: 9,000 square feet

## **LANG TECHNOLOGY CORPORATION**

6483-G Calle Real, Goleta 93117  
Email: bob@langtechnology.com

967.7970  
Fax: 967-4225

### MAJOR ACTIVITIES

Contract engineering services. Aerospace engineering services in fields of structural analysis, thermo analysis, electronics, E/M design and mechanical design.

### KEY PERSONNEL

Robert J. Lang \*\* – President and Chief Executive Officer

Number of Employees: 8  
Scientific and Engineering Personnel: 7  
Building Space: 1,300 square feet

## **MC RESEARCH & INNOVATION CENTER INC.**

601 Pine Avenue, Suite C Goleta 93117  
Website: [www.mcric.com](http://www.mcric.com)

692.5333,x102  
Fax: 692.5330

### MAJOR ACTIVITIES

A Mitsubishi Chemical America Inc.'s Subsidiary. Managing collaboration between Mitsubishi Chemical and UCSB. MC Research & Innovation Center also has a small activity on Fuel Cell Research.

### KEY PERSONNEL

Fumio Orito, PhD \*\* – President  
Ted Cais, PhD \*\* – Vice President  
Ken Tasaki, PhD \* – Director of Staff  
Hengbin Wang, PhD – Research Engineer  
Jeff Gerbec, PhD – Research Engineer

Number of Employees: 6  
Scientific and Engineering Personnel: 5  
Building Space: 4,000 square feet

## **METATECH CORPORATION**

358 South Fairview Avenue, Suite E, Goleta 93117  
Website: [www.metatechcorp.com/](http://www.metatechcorp.com/)

683.5681  
Fax: 683.3023

### MAJOR ACTIVITIES

Metatech provides engineering services for the analysis and protection of electronic systems from electromagnetic interference (EMI). These services include the use of complex computer models to evaluate interference problems.

### KEY PERSONNEL

William A. Radasky, PhD \*\* – President  
Kenneth S. Smith \*\* – Senior Scientist  
James L. Gilbert, PhD \* – Chief Scientist

Number of Employees: 8 (California)  
Scientific and Engineering Personnel: 5 (California)  
Building Space: 3,700 square feet

**MINOT ENTERPRISES, INC.**

123 East Los Olivos Street, Santa Barbara 93105  
Email: [jafishpaw@minotinc.com](mailto:jafishpaw@minotinc.com)  
Website: [www.minotinc.com](http://www.minotinc.com)

682.5925  
Fax: 682.5903

MAJOR ACTIVITIES

Systems Integrator – Factory Automation

KEY PERSONNEL

John Fishpaw \*\* – President  
Mike Van Hecke \*\* – Vice President  
Rob Opdahl \* – Vice President  
Kirt Anderson – Engineer  
Josh Irish – Engineer

Number of Employees: 9  
Scientific and Engineering Personnel: 7

**PACIFIC DESIGN TECHNOLOGIES**

72 Santa Felicia Drive, Goleta 93117  
Website: [www.pd-tech.com](http://www.pd-tech.com)

961-9110

MAJOR ACTIVITIES

PDT designs and builds liquid cooling systems and components for airborne and ground applications.

KEY PERSONNEL

Rick Fisher \*\* – President  
Michael Brown \*\* – Engineering Manager

Number of Employees: 26  
Scientific and Engineering Personnel: 9  
Building Space: 10,000 square feet

**PACINFO TECHNOLOGIES, INC.**

411 East Canon Perdido Street, Suite 16  
Santa Barbara 93101-7532  
Email: [Larry.Leveille@pacinfotech.com](mailto:Larry.Leveille@pacinfotech.com)  
Website: [www.pacinfotech.com](http://www.pacinfotech.com)

730.1565  
Fax: 730.1569

MAJOR ACTIVITIES

Engineering consulting services or software and hardware engineering services

KEY PERSONNEL

Larry Leveille\*\* – President  
Patricia Gary\*\* – Vice President-Marketing

Number of Employees: 12  
Scientific and Engineering Personnel: 11  
Building Space: 2,000 square feet

**SANTA BARBARA WEB HOSTING, INC.**

P.O. Box 6913, Santa Barbara 93160-6913

692.6900

Email: [support@sbwh.com](mailto:support@sbwh.com)

Website: [www.sbwh.com](http://www.sbwh.com)

MAJOR ACTIVITIES

Web Hosting, Exchange Server Hosting, SQL server, serving Santa Barbara and the world since 1996

KEY PERSONNEL

David Straede \*\* – President

**SIKAMA INTERNATIONAL INC.**

118 East Gutierrez Street, Santa Barbara 93101-2314

962.1000

Email: [sw@sikama.com](mailto:sw@sikama.com)

Fax: 962.6100

Website: [www.sikama.com](http://www.sikama.com)

MAJOR ACTIVITIES

Computer controlled reflow solder systems designed, manufactured, and marketed.

KEY PERSONNEL

Sigurd R. Wathne, PE \*\* – President

Kail S. Wathne \*\* – Vice President

Phillip Skeen \* – Sales Coordinator

Marilyn Hull – Office Manager

Number of Employees: 14

Scientific and Engineering Personnel: 3

Building Space: 9,400 square feet

## **SPACEK LABS, INC.**

212 East Gutierrez Street, Santa Barbara 93101

Email: [sales@spaceklabs.com](mailto:sales@spaceklabs.com)

Website: [www.spaceklabs.com](http://www.spaceklabs.com)

564.4404

Fax: 966.3249

### MAJOR ACTIVITIES

MM-wave Technology; design and manufacturing broadband receivers, mixers, frequency multipliers, mm-wave amplifiers, oscillators, detectors and filters, 18-110 GHz

### KEY PERSONNEL

Michael Wilson – President  
David Greim \* – Chief Officer of Operations  
Anna Spacek \*\* – Controller  
Thomas Hughes – Production Manager  
George Polivka, PhD \* – Senior Scientist  
Jeff Childers, PhD – Director of Amplifier Division  
Jiri Polivka, PhD \* – Senior Scientist  
Alexandra S. Wilson \*\* – Office Manager, CFO

Number of Employees: 17  
Scientific and Engineering Personnel: 6  
Building Space: 10,000 square feet

## **SPECIAL TECHNOLOGIES LABORATORY**

5520 Ekwil Street, Suite B, Santa Barbara 93111

681.2401

Fax: 681.2498

### MAJOR ACTIVITIES

Nucleonic and Electronic  
Applied Science and Engineering R&D

### KEY PERSONNEL

Michael G. Martinez \*\* – Laboratory Manager  
Steven Iversen, PhD \*\* – Department Manager  
Rory McCarthy – Department Manager

Number of Employees: 100  
Scientific and Engineering Personnel: 80  
Building Space: 75,500 square feet

## **STRATEGIC DEVELOPMENT ASSOCIATES**

1187 Coast Village Road, Suite 1-115, Santa Barbara 93108  
Email: [jfeldman@sdaconsulting.net](mailto:jfeldman@sdaconsulting.net)  
Website: [www.sdaconsulting.net](http://www.sdaconsulting.net)

695.8006

### MAJOR ACTIVITIES

Strategic Development Associates, founded in 1997, is a strategic consulting and marketing research firm focused on the high tech industry.

### KEY PERSONNEL

Jill Feldman \*\* – President

Number of Employees: <9  
Scientific and Engineering Personnel: <9

## **TECH EXEC PARTNERS INC.**

23679 Calabasas Road, Calabasas 91302-1502  
Website: [www.techexecpartners.com](http://www.techexecpartners.com)

818.222.0300  
Fax: 818.222.0353

### MAJOR ACTIVITIES

IT Consulting and Staffing

### KEY PERSONNEL

Julie-Ann Cunningham \*\* – Vice President Recruiting  
Dianne Gubin \*\* – President

Number of Employees: 10  
Scientific and Engineering Personnel: 2  
Building Space: 2,500 square feet

## **TEXAS INSTRUMENTS**

315 Bollay Drive, Goleta 93117  
Email: [dfriedland@ti.com](mailto:dfriedland@ti.com)  
Website: [www.ti.com](http://www.ti.com)

562.5122  
Fax: 968.9770

### MAJOR ACTIVITIES

Texas Instruments Santa Barbara develops System Software, including real time Operating Systems, for TI's Digital Signal Processors.

### KEY PERSONNEL

David Friedland \*\* – Site Operations Manager  
Mark Grosen, PhD \*\* – TISB Site Manager

Number of Employees: 40  
Scientific and Engineering Personnel: 37  
Building Space: 25,000 square feet

## **TOYON RESEARCH CORPORATION**

6800 Cortona Drive, Goleta 93117-3021

Email: [toyoninfo@toyon.com](mailto:toyoninfo@toyon.com)

Website: [www.toyon.com](http://www.toyon.com)

968.6787

Fax: 685.8089

### MAJOR ACTIVITIES

Toyon Research Corporation provides its commercial and military customers with innovative and responsive solutions and state-of-the-art technical recommendations to vexing problems involving advanced sensor technologies and weapons systems.

### KEY PERSONNEL

Charles T. Nardo, PhD \*\* – President

Michael L. VanBlaricum, PhD \*\* – Chief Scientist

William Dunaway \* – Vice President, Chief Scientist

Michael P. Grace \* – Vice President, Director of RF and Antenna Systems Team

Paul A. Castleberg, PhD – Vice President, Director of C4ISR Team

Kristine A. Fritz – Director of Security

Joel R. Garbarino – Chairman of the Board

Thomas W. Geyer – Senior Vice President, Director of Homeland Security Team

Marcella R. Lindberg – Director of Contracts and Finance

Glenn F. VanBlaricum, Jr., PhD – Director, Chief Scientist

Kevin J. Sullivan – Vice President, Director of ISR Algorithms Team

Number of Employees: 85

Scientific and Engineering Personnel: 67

## UNIVERSITY OF CALIFORNIA COLLEGE OF ENGINEERING

Santa Barbara 93106-5130

Email: [coeinfo@engineering.ucsb.edu](mailto:coeinfo@engineering.ucsb.edu)

Website: [www.engineering.ucsb.edu](http://www.engineering.ucsb.edu)

893.4802

Fax: 893.8124

### MAJOR ACTIVITIES

- Research efforts at the College of Engineering continue to expand, especially in the areas of bioengineering and biotechnology. During 2004, the new Engineering Science Building was completed adding an additional 54,969 ASF for research. The building offers 10,000 ASF of new clean room facilities. UCSB was selected as the site for the Army's National Institute of Collaborative Biotechnologies (ICB) with Professor Dan Morse serving as Director and Professor Frank Doyle as Associate Director. The Center is in partnership with Caltech, MIT and industry partners. The new Center, along with the California Nanosystems Institute, a new International Center for Materials Research, the National Center for Materials Research and our established research centers, offer tremendous research opportunities for faculty and students at UCSB.
- The Technology Management Program, headed by Professor Gary Hansen, Associate Dean, is in operation. The Technology Management Program combines the academic program and activities plus the former Center for Engineering Entrepreneurial Management under one unit and the leadership of Professor Hansen. He will continue to develop and enact innovative technology entrepreneurship and business management curriculum, and moving forth the efforts to establish a Masters of Technology Management.
- The College of Engineering offers bachelor of science degrees in chemical engineering, computer engineering, computer science, electrical engineering and mechanical engineering. Advanced degrees (MS and PhD) are offered in chemical engineering, computer science, electrical and computer engineering, materials and mechanical engineering. Also offered are several five-year BS/MS programs within the College.

### KEY PERSONNEL

Matthew Tirrell, PhD \*\* – Dean, College of Engineering  
Umesh Mishra, PhD \*\* – Associate Dean for Advancement  
Glenn Beltz, PhD \* – Associate Dean for Undergraduate Studies  
Gary Hansen, PhD \* – Associate Dean for Technology Management  
Kristi Newton-Day – Assistant Dean for Development  
Fred Lange, PhD – Chair and Professor of Materials  
Eckart Meiburg, PhD – Chair and Professor of Mechanical and Environmental Engineering  
Linda Petzold, PhD – Chair and Professor of Computer Science; Professor of Mechanical and Environmental Engineering  
Gary Leal, PhD – Chair and Professor of Chemical Engineering  
M. Marek-Sadowska, PhD – Chair of Computer Engineering Program  
Craig Hawker, PhD – Director, Materials Research Lab  
Anthony Cheetham, PhD – Director, International Center for Materials Research  
Glenn Fredrickson, PhD – Director, Mitsubishi Chemical Center for Advanced Materials  
Mark Rodwell, PhD – Director, UCSB Nanofabrication Research Center and National Nanofabrication Infrastructure Network  
B.S. Manjunath, PhD – Director, Center for Bio-Image Informatics  
Larry Coldren, PhD – Director, Optoelectronics Technology Center  
Jerry Gibson, PhD – Director, Center for Information Processing Research  
Andrew Teel, PhD – Director, Center for Control Engineering and Computation

Theofanis Theofanous, PhD – Director, Center for Risk Studies and Safety  
Shuji Nakamura, PhD – Director, Solid State Lighting and Display Center  
Anthony Evans, PhD – Director, Center for Multifunctional Materials and  
Structures  
James Speck, PhD – Director, Interdisciplinary Center for Wide Band Gap  
Semiconductors  
Frank Zok, PhD – Director, High Performance Composites Center

Number of Employees: 260  
Scientific and Engineering Personnel: 192  
Building Space: 286,886 square feet

**UNIVERSITY OF CALIFORNIA  
DAVIDSON LIBRARY**

Room 2530, Santa Barbara 93106-9010  
Website: [www.library.ucsb.edu/](http://www.library.ucsb.edu/)

893.2762  
Fax: 893.8620

MAJOR ACTIVITIES

Complete Library Services

KEY PERSONNEL

Charles Huber \*\* – Librarian  
Andrea Duda \*\* – Librarian

Number of Employees: 180

**UNIVERSITY OF CALIFORNIA  
DIVISION OF MATHEMATICAL, LIFE AND PHYSICAL SCIENCES  
COLLEGE OF LETTERS AND SCIENCE**

Mail Code 2080, Santa Barbara 93106-2080

893.5024

Email: [mlpsdean@Ltsc.ucsb.edu](mailto:mlpsdean@Ltsc.ucsb.edu)

Fax: 893.2441

Website: [www.science.ucsb.edu](http://www.science.ucsb.edu)

MAJOR ACTIVITIES

Mission Statement: Research and instruction is the core of our mission. Our goal is to educate students for leadership and create solutions that affect the real world, discovering and applying innovation to improve the quality of life for everyone, with special focus on health and the environment.

The Division has great intellectual and capital resources, and vast talents within the Sciences. We have internationally renowned faculty, including those who are winners of the Nobel Prize, the National Medal of Science, the NSF CAREER/Young Investigators/Director's award, the Plous award, and Guggenheim Fellowships. Many of our faculty are members of noted academies, such as the National Academy of Sciences and the American Academy of Arts and Sciences. Part of our continued and rising success is our unique culture. It blends an interdisciplinary approach that facilitates the creative application of the sciences to a wide range of disciplines and an entrepreneurial spirit that promotes the application of great ideas to the real world.

The Division's Academic Departments and Programs are:

- Bio-Molecular Science and Engineering
- Chemistry and Biochemistry
- Earth Sciences (formerly Geological Sciences)
- Ecology, Evolution and Marine Biology
- Environmental Studies
- Geography
- Marine Science Graduate Program
- Mathematics
- Molecular, Cellular and Developmental Biology
- Physics
- Psychology
- Speech and Hearing Sciences
- Statistics and Applied Probability

KEY PERSONNEL

Steven Gaines – Acting Dean of Sciences

Ruth Finkelstein – Associate Dean of Sciences

Bruce Luyendyk – Associate Dean of Sciences

Jan Adelson \*\* – Assistant to the Dean

Number of Employees: 280 faculty members

**UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF STATISTICS AND APPLIED PROBABILITY**

Santa Barbara 93106-3110

893.2129

Email: [carlson@pstat.ucsb.edu](mailto:carlson@pstat.ucsb.edu)

Fax: 893.2334

Website: [www.pstat.ucsb.edu](http://www.pstat.ucsb.edu)

MAJOR ACTIVITIES

The Department of Statistics and Applied Probability currently has 11 permanent faculty members, many visitors and offers a graduate program leading to the MA and PhD degrees in Statistics. The Department also provides an undergraduate program leading to the BA and BS degrees in Statistical Science and Financial Mathematics and Statistics. Research interests include probability, mathematical statistics, applied statistics, and stochastic processes. The Department also runs a Statistical Consulting Laboratory, one of whose functions is to solve the statistical problems of faculty and graduate students in other departments at UCSB. Center for Research in Financial Mathematics & Statistics (CRFMS) provides leadership in quantitative finance from different perspectives. It facilitates interdepartmental cooperation in mathematical modeling, statistical data analysis and efficient computational methods specific to financial data.

KEY PERSONNEL

Permanent Faculty:

Raya Feldman, DSc \*\* – Department Chair and Associate Professor

Jean-Pierre Fouque, PhD – Professor

David Hinkley, PhD \*\* – Professor

John Hsu, PhD \* – Professor

S. Rao Jammalamadaka, PhD \* – Professor

Yuedong Wang, PhD – Professor

Andrew Carter, PhD – Associate Professor

Wendy Meiring, PhD – Associate Professor

Dawn Holmes, PhD – Lecturer with Security of Employment (SOE)

Guillaume Bonnet, PhD – Assistant Professor

Janos Englander, PhD – Assistant Professor

Number of Employees: 45

Scientific and Engineering Personnel: 11

Building Space: 3,000 square feet

**UNIVERSITY OF CALIFORNIA  
KAVLI INSTITUTE FOR THEORETICAL PHYSICS**

Santa Barbara 93106-4030

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MAJOR ACTIVITIES

The Kavli Institute for Theoretical Physics is a federally-funded (NSF) institute engaged in fundamental research. The research activities include condensed matter, high energy and astrophysics. The staff is of extremely high quality and at the cutting edge of theoretics science. The Institute conducts four long-term programs (3-6 months) per year and numerous conferences and workshops (1-3 weeks). Scientists from all over the world gather to exchange information and ideas. The total number of scientists at one time is about 60. The products consist of scientific communications in journals and conference proceedings.

KEY PERSONNEL

David Gross, PhD \*\* – Director  
Martin Einhorn, PhD \*\* – Deputy Director  
Lars Bildsten, PhD – Permanent Member  
Joseph G. Polchinski, PhD \* – Permanent Member  
Boris Shraiman, PhD – Permanent Member  
A. Zee, PhD – Permanent Member

Number of Employees: 60

**URS CORPORATION**

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Fax: 964.0259

Website: [www.veeco.com/](http://www.veeco.com/)

MAJOR ACTIVITIES

URS Corporation is a global firm offering a comprehensive range of professional engineering, environmental management, and construction services. Our local offices provide services in environmental planning, compliance, water resources, geotechnical engineering, hazardous waste assessment and remediation, renewable energy planning and engineering, GIS services, and site operations and maintenance activities.

KEY PERSONNEL

Timothy Cohen \*\* – Vice President  
Craig Woodman \*\* – Project Manager  
Gil Fates \* – Vice President  
Rick Stout \* – Vice President

Number of Employees: 150

Scientific and Engineering Personnel: 136

Building Space: 1,600 square feet

## **VEECO INSTRUMENTS**

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### MAJOR ACTIVITIES

Veeco Instruments is the market leader in performance, innovation, and quality in the field of scanning probe microscopes for research and industrial applications.

### KEY PERSONNEL

Charles Meyer \*\* – Lead Project Engineer  
Kevin Kjoller \*\* – Director of Technical Marketing  
Pam Perez – Legal Assistant and Executive Administrator

Number of Employees: 280  
Scientific and Engineering Personnel: 80  
Building Space: 100,000 square feet

## **VENOCO, INC.**

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745.2100

### MAJOR ACTIVITIES

Oil and Gas Production Company

### KEY PERSONNEL

Mike Edwards – Vice President  
George Ramsay \*\*  
Bob Van Nostrand \*\*

Number of Employees: 170

## **WYATT TECHNOLOGY CORPORATION**

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### MAJOR ACTIVITIES

Manufacturer and developer of analytical instruments.

### KEY PERSONNEL

Philip J. Wyatt, PhD \* – CEO

Geofrey K. Wyatt – President

Clifford D. Wyatt – Executive Vice President

Steven Trainoff, PhD – Director of Engineering

Michelle Chen, PhD – Director of Analytical Services

Carolyn Walton – Chief Financial Officer

Diane Miranda – Human Resources Director

Jason Waters – Manufacturing Director

Michael Larkin, PhD \*\* – Research and Development

Andy Meyer, PhD \*\* – Director of Customer Service

Jeffrey Ahlgren, PhD \* – Customer Service

Brent Fulgham – Lead Software Engineer

Brett Hall, PhD – Senior Software Engineer

William Proctor, PhD – Electrical Engineer

Vincent Hsieh, PhD – Senior Scientist

Daniel Some, PhD – Principal Scientist

Aym Berges, PhD – Application Scientist

Sigrid Kuebler, PhD – Application Scientist

Number of Employees: 72

Scientific and Engineering Personnel: 40

Building Space: 30,000 square feet

## **YARDI SYSTEMS, INC.**

430 South Fairview Avenue, Goleta 93117

Website: [www.yardi.com](http://www.yardi.com)

682.9977

### MAJOR ACTIVITIES

Property Management Software

### KEY PERSONNEL

Gordon Morrell \*\* – COO

Number of Employees: 260

Building Space: 60,000 square feet

## INDIVIDUAL MEMBERS

Area Code: 805 (unless noted otherwise)

---

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As President and co-founder of Latitude 34 Technologies I am responsible for strategic planning, development and quality control. I am a hands-on manager who ensures the success of every job by maintaining close contact with clients and overseeing the implementation of IT maintenance systems and support for clients. I am proficient in network infrastructure and certifications include Cisco Certified Network Associate (CCNA), A+, Network+ and I-net+. Latitude 34 Technologies is your one-stop shop for all your technology needs and services include:

- On-Call or Remote Technical Support for Mac or PC
- Consultation on Equipment Purchases
- Strategic IT Planning
- Network and Server Set-Up and Maintenance
- Security Solutions
- Mobile Messaging Solutions
- Data Recovery

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- Generators for Aerospace
- Starter/Generators
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President, JIDCO, Joint Investment Development Co., 2002-present; President, Ivey Enterprises, a technology and management consulting company, 1993-2001; Lawrence Livermore National Laboratory: Associate Director, Laser Programs, 1988-93; Laboratory Executive Officer, 1987-88; Program Director Advanced Applications, 1986-87; Program Director, Atomic Vapor Laser Isotope Separation, 1975-86; Program Director, Solid-State Laser Development, 1974-75; Hughes Aircraft Co: Department Manager, Laser Radar and High Energy Systems, 1972-74; Senior Staff Physicist, 1970-72; Staff Physicist, 1962-66.

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- Online Help
- Web Documentation

Contract technical writer with 10+ years of experience. Provide high-quality, professional technical writing services. Have a strong mix of writing, design, and technical skills. Am a "technical" technical writer, learn how to use a product and write about it from the user's point of view.

Clients have included Alcoa, America Online, Cisco, Digital Instruments/Veeco, Occam, Sapiens, Sputtered Films, Texas Instruments, and Wyatt Technology.

A founder of the local chapter of the Society for Technical Communication and of a national interest group focused on instructional design.

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I am a management and business development professional with 28 years of experience in the government space business. I am presently supplying management and technical expertise to a payload Mission Integration team in the US launch industry.

My past experience and responsibilities have included planning five-year new business investment strategies, developing and maintaining strategic customer relationships, managing hardware and technology development and demonstration program teams, management of new business investment strategies, directing new business capture and proposal teams, developing long-term business strategies, managing overhead and expense budgets, and managing an environmental health and safety council.

As President of the DellaValle Consulting Group I supply personnel for the aerospace industry with unique experience in General Management, Program/Project Management, Proposal Support, Strategic Planning, Business Development, and Marketing, in the areas of space sensor development engineering, sensor integration, payload mission integration, and launch services.

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Editor, Encyclopedia of Chemical Technology, 4<sup>th</sup> Edition  
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- high-quality product acquisition
- product development
- cost-effective problem solving
- project management

Effective translator of scientific information to

- the nonscientific public
- potential investors in scientifically-based ventures

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Simulation Technologies is a business area of Northrop Grumman Mission Systems, Tactical Systems Division doing business with the Department of and non-DoD government agencies in the fields of modeling/simulation, distributed simulation, verification and validation, command, control and communications, aviation services, system integration, and engineering.

**JOHNSON, L. ROBERT**

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Venture capital investment and assistance for early state technology based businesses.

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Mechanical Engineer with over 10 years of experience using 3D Design, mathematical analysis, and research to incorporate innovative solutions into products that move through conceptualization, detail design, prototyping, testing and into production. Adept at partnering with expert resources to understand requirements and create working solutions.

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Retired from a 27-year career in Bell Labs. Volunteer counselor with SCORE (Service Corps of Retired Executives). Counseling focus is on communications and computer product development.

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2006: *retired from second career (science librarian);*

2007: *returned to first career (marine botanist) as volunteer at CCBER.*

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- Consultant on design of the new US Navy Advanced Blimps since 1986.
- Founder of modern ballooning movement. One of its greatest and most creative exponents.
- Projects include the design and construction of the first hot air balloon with a pressurized cabin. Piloted it to a world record altitude.
- Licensed for all types of balloons with commercial, instructor's, super-pressure and night ratings; an unrestricted RT license; a parachuting "A" license; and an International (FAI) Sporting License.

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- Mechanical and Electromechanical Engineering
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- Research and Development
- Manufacturing Development/Commercialization
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With over 20 years of experience, I have been involved in projects in numerous industries such as Medical Devices, Consumer Electronics, Computer Data Storage, Electronic Packaging, Industrial Process Equipment, Telecommunications and others.

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Over 20 years of experience in Santa Barbara involving Engineering and Information Technology for Aerospace, Networking, and Software Industries and in a University setting. Recent MBA Thesis on market opportunities for implantable neurostimulator devices for the treatment of chronic movement disorders. Interested in becoming more involved with and giving back to the local Science and Engineering community.

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