



Science and Engineering Council
of Santa Barbara, Inc.

TECHNICAL SERVICES DIRECTORY

2010 – Our 50th Year!

[Revised 17 January 2010]

SCIENCE AND ENGINEERING COUNCIL

Email: scieng@silcom.com

Website: www.scieng.org

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Science and Engineering Council of Santa Barbara, Inc.

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Founded August 1960

Incorporated August 1966

A Non-Profit Corporation in the
State of California

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SCIENCE AND ENGINEERING COUNCIL OF SANTA BARBARA, INC.

PURPOSE

The *Science and Engineering Council of Santa Barbara, Inc. (SEC)* is a non-profit organization devoted to providing interaction among individuals, companies, and institutions engaged in scientific and engineering activities within the Santa Barbara County area. The **SEC** activities promote public awareness of science and the value of technical enterprises to the community.

ACTIVITIES

- **Luncheon Programs**

Monthly *Luncheon Programs* which provide a forum for presentation of topics of interest, and an opportunity for meeting fellow engineers, scientist, and business professionals.

- **Technical Services Directory**

Technical Services Directory of **SEC** members is posted on the **SEC** website (www.scieng.org).

- **Science Fair**

Monetary awards, certificates and trophies to local *Science Fair* winners in all divisions with presentation by winners at the May **SEC** luncheon meeting.

- **Scholarships**

Sponsorship of *Scholarships* for local college students in the sciences. The scholarships are funded through the Scholarship Foundation of Santa Barbara.

MEMBERSHIP

Membership in the *Science and Engineering Council* is open to qualified organizations and individuals.

INFORMATION

Website: <http://www.scieng.org>

Email: scieng@silcom.com

Contact: Corresponding Secretary or a Board member – see Page 4

OFFICERS; DIRECTORS; COMMITTEE CHAIRS

October 2009 to September 2010

CO-PRESIDENTS

Timothy J. Murphy	805.963.0480	tmurphy@entrix.com
Gary Kravetz	805.898.7850	gary@sbkravetz.com

SECRETARY

Miles W. McLennan	805.967.0560	mwmcl3@cox.net
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TREASURER AND FINANCE CHAIR

Wynette Winkler	805.682.2720	wynette.winkler@pobox.com
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MEMBERSHIP CHAIR

Gary Kravetz

OUTREACH CHAIR

George Konstantinow	805.426.9246	george.konstantinow@ieee.org
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PROGRAMS CO-CHAIRS

Yvonne DeGraw	805.683.5784	ydegrow@ydegrow.com
Jill Feldman	805.695.8006	jfeldman@sdaconsulting.net

PUBLICITY CHAIR

Robert Lilley, PhD	805.967.9394	Robert.Lilley@cox.net
--------------------	--------------	-----------------------

SCHOLARSHIP CHAIR

John D. Illgen	805.692.8001,-8006	john.illgen@ngc.com
----------------	--------------------	---------------------

SCIENCE FAIR CHAIR / FACILITIES CHAIR

Richard L. Schapker	805.961.9933	richs@silcom.com
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WEBSITE CHAIR

Stephen Scopatz	805.690.5234	sscopatz@electro-optical.com
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BOARD MEMBER

Charles R. Greene, PhD	805.967.7720	cgreene@greeneridge.com
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BOARD MEMBER

Mary E. Howe-Grant, PhD	805.964.5747	mhowegrant@worldnet.att.net
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BOARD MEMBER

Bruce W. McRoy	805.966.2440	bmcreoy@rppmnh.com
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CORRESPONDING SECRETARY

Barbara E. Keaney	805.684.4927	scieng@silcom.com
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ORGANIZING COMMITTEE, 1960

Frederick A. Berry	Robert D. Elliott
Eugene Bollay	Raymond E. Kerr, Jr.
William Bollay, PhD	Walter L. Koch

PRESIDENTS, 1960 TO PRESENT

2009-10	Timothy J. Murphy and Gary Kravetz
2008-09	Timothy J. Murphy and Gary Kravetz
2007-08	Timothy J. Murphy and Gary Kravetz
2006-07	Timothy J. Murphy and Gary Kravetz
2005-06	Timothy J. Murphy
2004-05	Timothy J. Murphy
2003-04	Timothy J. Murphy
2002-03	Bruce W. McRoy and Wayne Rothermich
2001-02	Mary E. Howe-Grant, PhD and Bruce W. McRoy
2000-01	Mary E. Howe-Grant, PhD and Bruce W. McRoy
1999-00	Betsy Reese, PhD
1998-99	Richard L. Schapker
1997-98	John D. Illgen
1996-97	Robert B. Block
1995-96	Charles R. Greene, Jr., PhD
1994-95	Michael J. Masterson
1993-94	Shirley A. Lemmex
1992-93	Jerome Wiedmann
1991-92	Norman C. Rigby
1990-91	Barbara Tzur-Jenks
1989-90	Robert G. Hansen
1988-89	Aram M. Mika
1987-88	William McNamara, PhD
1986-87	Kenneth Kihlstrom, PhD
1985-86	Ralph A. Olsen
1984-85	Sharon L. Campbell
1983-84	Lorne G. Everett, PhD
1982-83	Howard W. Jackson
1981-82	Al W. Mehrbrodt
1980-81	Karl F. Marazita
1979-80	Lowell L. Baskins
1978-79	Erwin H. Straehley
1977-78	Michael A. Marshall
1976-77	Walter Hausz
1975-76	John G. Skalnik, PhD
1974-75	Ronald S. Greenslade
1973-74	Albert D. Paul
1972-73	Gordon N. Steele
1971-72	Robert C. Tetherow
1970-71	John E. Myers, PhD
1969-70	Robert W. Bogle, PhD
1968-69	Martin C. Reder
1967-68	Sidney R. Frank
1966-67	T. Arthur Kvaas
1965-66	T. Arthur Kvaas
1964-65	Osmund T. Fundingsland
1963-64	Harold R. Frank
1962-63	Hamilton O. Hauck
1961-62	William Bollay, PhD
1960-61	Sanford C. Sigoloff

DIRECTORS, 1960 TO PRESENT MEMBER AFFILIATION(S)

H. Duane Adams, PhD	Individual (strategic planning, technical analysis)
Norman C. Anderson	Infrared Industries, Inc.
Custer C. Baum, PhD	The Te Company
Lowell L. Baskins	Infrared Industries, Inc.
Frederick A. Berry	Aerometric Research/North American Weather Consultants
Henry S. Bertram	Applied Magnetics Corporation
Harold N. Beveridge	Defense Research Corporation
Edward E. Bickel	Infrared Industries, Inc.
Hans P. Birchmeier	Burroughs Corporation
Karl R. Blasius, PhD	Raytheon Company; Individual
Robert B. Block	Individual (lawyer)
Donald E. Bode, PhD	Santa Barbara Research Center
Robert W. Bogle, PhD	General Research Corp.; Astro Research Corporation
Eugene Bollay	E. Bollay Associates, Inc.
William Bollay, PhD	Individual (consultant–aerospace)
Frank J. Bourbeau	Enerpro, Incorporated
Harry W. Brelsford	Individual (patent attorney)
George A. Campbell	Delco Electronics
Sharon L. Campbell	Delco Systems Operations
Robert F. Carlson	Channel Industries, Inc.
Linda Chandos	EG&G Energy Measurements, Inc.
Teri Conrad	Delco Systems Operations
James M. Cunningham	Schafer Electronics; Individual (consulting engineer)
Scott C. Daubin, PhD	A C Electronics–Defense Research Laboratories
Edwin A. Dawson	Individual (contracts consultant)
Yvonne DeGraw	Individual (contract technical writer)
Myfanwy C. DeVoe	Individual (economic development)
Lloyd T. DeVore, PhD	Hoffman Science Center
Michael S. Dockendorf	Goleta National Bank
Joseph D. Eisler	Individual (consulting geophysicist)
Robert D. Elliott	Aerometric Research/North American Weather Consultants
John A. Ernest, PhD	UCSB–Department of Mathematics
Lorne G. Everett, PhD	Kaman Sciences Corporation
James L. Farnsworth	Santa Barbara Research Corporation
Jill Feldman	Strategic Development Associates
Richard M. Fisher	Howden Fluid Systems
Harold R. Frank	Applied Magnetics Corporation
Sidney R. Frank	Aerometric Research/North American Weather Consultants
Osmund T. Fundingsland	EG&G, Inc.; Applied Magnetics Corporation
John E. Gorrell, MD	Individual (medical lecturer/writer)
Charles R. Greene, Jr., PhD	Greeneridge Sciences, Inc.; Individual
Ronald S. Greenslade	Raytheon Company
J. George Gregory	Individual (industrial marketing)
Paul H. Hall	Sloan Technology Corporation
Judith F. Hammes	UCSB–College of Engineering
Robert G. Hansen	R.G. Hansen & Associates
Hamilton O. Hauck	Infrared Industries, Inc.
Walter Hausz	General Electric Company–TEMPO
John M. Hedgepeth, PhD	Astro Aerospace Corporation
Michael J. Heller	Delco Systems; Litton Guidance & Control
Gregg K. Hobbs, PhD	Individual (consulting engineering)
William Holzer, PhD	Santa Barbara Research Center
Mary E. Howe-Grant, PhD	Individual (consultant–science/technology/education)
Elizabeth E. Howell	Telos Consulting Services
Robert F. Hummer	Santa Barbara Research Center
Gordon S. Humphrey	Raytheon Company

John D. Illgen	Illgen Simulation Technologies, Inc. (ISTI); Northrop Grumman Simulation Technologies Corp.; Individual
Kirk S. Irwin	Tracor Aviation
John Ise, Jr., PhD	General Research Corporation
Howard W. Jackson	EG&G, Inc.
John Jamieson	Sloan Technology Corporation
Donald A Jessup	EG&G Energy Measurements, Inc.
Christopher E. Jones	UCSB–College of Engineering
Raymond E. Kerr, Jr.	Aerometric Research/North American Weather Consultants
Kenneth Kihlstrom, PhD	Westmont College–Physics Department
Bruce H. King, PhD	Mission Research Corporation; ATK Mission Research
Walter L. Koch	A C Electronics–Defense Research Laboratories
George Konstantinow	Individual
Jack Kotowski	Goleta Manufacturing Company; Magellan’s
Gary Kravetz	Santa Barbara Staffing/NCC Executive Search; Individual (engineering, business and recruiting consultant)
T. Arthur Kvaas	General Electric Company–TEMPO; ADCON Corp.
Harold A. Lamonds, PhD	EG&G, Inc.
Thomas A. LaRovere	B-J Systems; Individual (product development)
Karen T. Lawton	Individual (computer consulting/lessons)
Betsy K. (Reese) Lazarine, PhD	Individual (research administrator)
Shirley A. Lemmex	R.G. Hansen & Associates; Individual (education)
Malcolm A. Lewis	Acroamatics, Inc.
Robert W. Lilley, PhD	Illgen Simulation Technologies, Inc.; Individual (consultant)
Harold Lipchik	American Machine and Foundry Co.
Lawrence Long	Individual (consultant)
Guillermo L. Lopez	Santa Barbara High School District
Oscar Lowenschuss	Raytheon Company
John W. Lynch	Individual (video teleconferencing)
Bruce W. Malcolm	Electro Optical Industries, Inc.
Karl F. Marazita	Delco Electronics; Rolair Systems, Inc.
Marvin Marcus	UCSB–Research Department
Michael A. Marshall	IBM Corp.; Individual (realty; investment)
Michael J. Masterson	Michael Masterson Computer Services
George L. Matthaedi, PhD	UCSB–College of Engineering
J. Byron McCormick	Delco Systems Operations
Miles W. McLennan	Individual (underwater acoustics)
Robert J. McMillin	Delco Electronics
William McNamara, PhD	Kaman Sciences Corporation
Bruce W. McRoy	Individual (attorney-technology and industrial companies)
Al W. Mehrbrodt	Individual (management recruiters)
James L. Merz, PhD	UCSB–Department of Electrical and Computer Engineering
Aram M. Mika	Santa Barbara Research Center
Roger A. Moe	The Te Company
Michael R. Montemorra	Applied Magnetics Corporation
Jane Morrow-Jones	Toyon Research Corporation
John A. Moseley	Moseley Associates Incorporated
Timothy J. Murphy	URS Corporation; Entrix, Inc.
Stuart S. Murray, Adm.-USN	Individual (ASW/weapons systems)
John E. Myers, PhD	UCSB–College of Engineering
Ram Natesh, PhD	Individual (material research)
Wayne B. Norris	Individual (computer systems)
John K. Northrop	Individual (aeronautical/mechanical engineering)
Henry W. Offen, PhD	UCSB–Research Department
Ralph A. Olsen	Western Robotics
P. Frank Ordnung, DEng	UCSB–College of Engineering
Ron Parsons	Raytheon Company
John Patterson	Santa Barbara Remote Sensing–SBRC
Albert D. Paul	Santa Barbara Research Center
Charles Perkins, PhD	General Research Corporation
David S. Potter, PhD	GM Defense Research Laboratories

William A. Radasky, PhD	Metatech Corporation
Neal C. Rasmussen	Neal Feay Company
Richard C. Raymond, PhD	General Electric Company–TEMPO
Ralph F. Redemske	Servomechanisms, Incorporated
Martin C. Reder	Sigmatron, Inc.
Richard A. Reichel	Individual (electronic sorting machinery)
Norman C. Rigby	Raytheon Company
Kevin J. Riley, PhD	Santa Barbara Research Center
William F.J. Riordan	Individual (capabilities development)
James B. Robertson, PhD	UCSB–Department of Mathematics
Leo J. Robidoux	Individual (consulting engineer)
E. Wayne Rothermich	Individual (electronic design consultant)
Thomas W. Russell	Applied Magnetics Corporation
Douglas R. Schafer	Delco Systems Operations
Richard L. Schapker	Individual (author, digital education website)
Stephen Scopatz	Individual (engineer/physicist)
Lloyd H. Scott	Santa Barbara Research Center
David L. Sever	EG&G Energy Measurements, Inc.
Sara L. Sherman	Individual (software/hardware development)
Sanford C. Sigoloff	EG&G, Inc.
John G. Skalnik, PhD	UCSB–College of Engineering
Gordon N. Steele	Sigmatron, Inc.
Harold V. Stewart	EG&G, Inc.
Erwin H. Strahley	Individual (product development/management)
David A. Sutton	Information Magnetics Corporation
Mark Sylvester	Alias wavefront
Robert M. Talley, PhD	Santa Barbara Research Center
Robert C. Tetherow	Applied Magnetics Corporation
Anne Thomas	Illgen Simulation Technologies, Inc. (ISTI)
David T. Thomas, PhD	Raytheon Company
J. Dwaine Thwing	Moseley Associates Incorporated
Hung L. Tran	Delco Systems Operations
Kaye D. Treese, PhD	Santa Barbara Research Center
Nivaldo J. Tro, PhD	Westmont College–Chemistry Department
Barbara Tzur-Jenks	Brylen Technologies, Inc.
Al Wade	Santa Barbara Research Center
Robert O. Wageneck	Santa Barbara Research Center
Yukina I. Warner	UCSB–College of Engineering
Robert A. Watkins, PhD	Raytheon Company
Louis A. Watts	Science Applications International Corporation
Jerome Wiedmann	Digital Instruments, Inc.
Wynette K. Winkler	Individual (business management)
David Zheng	Enerpro, Incorporated

CORPORATE MEMBERS

** – after a name indicates 'Delegate to SEC'
* – after a name indicates 'Alternate Delegate to SEC'

ANDERSON SYSTEMS

5958 Corta Street, Goleta 93117

Email: adeane@andersys.com

Website: www.andersys.com

805.683.6133

Fax: 805.964.2357

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

AQUA RESEARCH ENVIRONMENTAL SCIENCE, LLC

Paseo Nuevo, Santa Barbara 93101

P.O. Box 22555, Santa Barbara 93121-2555

Email: science@AquaResearch.org

Website: www.AquaResearch.org

805.252.9808

Fax: 805.566.0762

MAJOR ACTIVITIES

Climate Reversal Certification – Making Sustainability Profitable

Aqua Research is dedicated to Global Climate Change Reversal by providing environmental consulting services and establishing best management practices for sustainable operation to the commercial, industrial and private sectors.

KEY PERSONNEL

Richard Forde, PhD ** – Chief Science Officer

Claudia Gottstein, M.D. * – EH&S Advisor

Number of Employees: 2

Scientific and Engineering Personnel: 2

Building Space: 100 square feet

ASTRO AEROSPACE

6384 Via Real, Carpinteria 93013-2920
Website: www.Astro-Aerospace.com

805.684.6641
Fax: 805.684.3372

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: 86
Scientific and Engineering Personnel: 50
Building Space: 50,000 square feet

ATK SPACE SYSTEMS-GOLETA

60 Pine Avenue, Goleta 93117-3831
Website: www.atk.com

805.685.2262

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

805.964.7724

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

Fax: 805.967.7094

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

805.968.0782

Email: iana.lara@cst.Schneider-Electric.com

Fax: 805.968.6523

Website: www.beiied.com

MAJOR ACTIVITIES

Manufacture Optical Encoders (Position Sensors)

KEY PERSONNEL

Glenn Avolio ** – General Manager

Les Wolff * – Chief Engineer

Scott Orlosky ** – Engineering Manager

Number of Employees: 98

Scientific and Engineering Personnel: 5

BENGAL ENGINEERING INC.

250 Big Sur Drive, Goleta 93117

805.563.0788

Email: Scott@BengalEngineering.com

Md@BengalEngineering.com

Website: www.BengalEngineering.com

MAJOR ACTIVITIES

Civil, Structural, Hydraulic and Transportation Engineers

KEY PERSONNEL

Md. Wahiduzzaman ** – Principal

Scott Onishuk ** – Principal

Number of Employees: 9

BRYLEN TECHNOLOGIES, INC.

ISO 9001 CERTIFIED – ISO 17015 ACCREDITED

275 South Orange Avenue, #A, Santa Barbara 93117

805.692.9300

Email: barbara.tzur@brylen.com

Fax: 805.692.1966

Website: www.brylen.com/

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

Anders Graham – Quality Engineer

Number of Employees: 6

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

805.692.5821
Fax: 805.692.8902

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

805.275.1053
Fax: 805.275.1053

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/

805.683.2114

Fax: 805.964.0798

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.

201 North Calle Cesar Chavez, Suite 203

Santa Barbara 93103

Email: tmurphy@entrix.com

Website: www.entrix.com

Direct: 805.963.0480

Main: 805.962.7679

Fax: 805.963.0412

Cell: 805.895-5420

MAJOR ACTIVITIES

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

KEY PERSONNEL

Timothy J. Murphy, AICP ** – Senior Consultant, Environmental Planner

Dan Tormey – Technical Director

Laura Riege – Senior Biologist, Restoration Ecologist

Chip Blankenhorn – Senior Engineer

Number of Employees: 23 in Santa Barbara/Ventura; 300 firm-wide

Scientific and Engineering Personnel: 16 in Santa Barbara/Ventura

Building Space: 5,000 square feet

GAZOS CREEK, INC.

579 Bluebird Glen Road, Buellton 93427
Email: sglasgow@gazos.com
Website: www.gazos.com

805.693.1780
Fax: 805.456.0444

MAJOR ACTIVITIES

Network engineering, green data centers.

KEY PERSONNEL

Stacey Glasgow ** – Vice President Operations
Steve Kiss ** – CEO

Number of Employees: 8
Scientific and Engineering Personnel: 5
Building Space: 4,000 square feet

GREENERIDGE SCIENCES, INC.

1411 Firestone Road, Santa Barbara 93117
Email: cgreene@greeneridge.com

805.967.7720
Fax: 805.967.7720

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
Katherine H. Kim, PhD * – Senior Engineer

Number of Employees: 6
Scientific and Engineering Personnel: 5
Building Space: 3,800 square feet

KOLLABRA CONSULTING, INC.

2422 Lindbergh Street, Auburn 95602
Email: robb.moore@kollabra.com
Website: 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

805.967.7970
Fax: 805.967.4225

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

LAUNCHPOINT TECHNOLOGIES, INC.

5735 Hollister Avenue, Suite B, Goleta 93117-3420

Email: info@launchpnt.com

Website: www.launchpnt.com

805.683.9659

Fax: 805.683.9671

MAJOR ACTIVITIES

Our mission is to provide you enabling technology and shorten your time to market. We do world-class R&D, Prototyping, and Produce Design. Our staff includes a creative group of product and system designers, engineers and physicists covering a wide array of disciplines. Brad E. Paden, PhD, IEEE Fellow, and Professor of Mechanical Engineering at UCSB, founded the company in 1992. Our business models include: consulting for companies that need to solve engineering challenges; grant writing for technology development; equity in exchange for engineering work on promising technologies.

We offer advanced technical capabilities:

- Systems Engineering
 - Modeling of dynamic behavior in linear and non-linear systems, reliability design for complex systems, motor and magnetic bearing design, and sensor design
- Electrical & Electronic Engineering
 - Digital, RF and low-noise analog, sensor design, embedded controllers, power conversion, radar, motor drives, pSpice simulation
- Mechanical Engineering
 - Machine design and fabrication, solid modeling, static, dynamic and thermal analysis via finite-element methods, pump and fluidic design
- Biomedical Engineering
 - Medical device design, blood flow modeling, experience with Class 3 devices, artificial hearts, flow modeling for bypass surgery and oxygen therapy devices
- Chemical Engineering
 - Process modeling and control, reaction kinetics, synthesis, surface chemistry and analysis including self-assembly, heat and mass transfer, pilot plant
- Security
 - Standoff Explosive Detection System (SEDS)
- MEMS/NANO
 - Sensors Design
- Materials Science
 - Material analysis and selection, microstructural modeling and modification, processing, failure analysis, composite materials, surface modifications
- Tools
 - Software: Extensive expertise in design, simulation and manufacturing
 - Hardware: Full machine shop, excellent electronics and magnetism instruments
 - Partner Labs: Extensive research-grade instrumentation
- IP Search & Generation

LaunchPoint Products and Product Designs:

- Medical Devices
 - Pedia Flow™: Pediatric Ventricular Assist Device, Inogen One Portable Oxygen Concentrator, MEMS Pressure Sensor, Magnetecs Magnetically-Guided Catheter
- Energy Storage Devices & Systems
 - Power Ring Energy Storage Flywheel, Grid Level Energy Storage Systems
- Electromechanical Systems Design and Optimization
 - Ultra High-Power Density Motors & Generators, Robotics
- Control Systems
 - Raytheon Fast Filter Switch Mechanism
- Fail-Safe Systems and Circuit Design
 - Electric Vehicle and Grid Stabilization Power and Battery Management
- Magnetic Levitation (Maglev) Systems & Devices
 - Maglev Transportation System, Magnetic Bearings, Electro-Magnetic Systems

KEY PERSONNEL

Brad Paden ** – President and Chief Executive Officer

Jim Fiske ** – Vice President, Advanced Systems

Jessica Dozoretz * – Executive Assistant to Brad Paden

Geoff Long * – Program Manager

Al Paden – Principal Engineer and Co-Founder

Dave Paden – Vice President, Mechanical Engineering and Co-Founder

John Prisler – CFO

Vick Young – Accountant and Grants Administrator

Russ Kovacevich – Director of Business Development

Jerome Wiedmann – Business Development

Cindy Paden – Marketing and Public Relations

Number of Employees: 28

Scientific and Engineering Personnel: 21

Building Space: 6,560 square feet

MC RESEARCH & INNOVATION CENTER INC.

601 Pine Avenue, Suite C Goleta 93117
Website: www.mcric.com

805.692.5333,x102
Fax: 805.692.5330

MAJOR ACTIVITIES

A Mitsubishi Chemical America Inc.'s Subsidiary. Managing collaboration between Mitsubishi Chemical and UCSB for new materials research.

KEY PERSONNEL

Ted Cais, PhD ** – President
Hengbin Wang, PhD ** – Project Manager
Jeff Gerbec, PhD * – Project Manager
Jeff Yamada – Research Engineer
Motoko Furukawa – Research Engineer

Number of Employees: 6
Scientific and Engineering Personnel: 5
Building Space: 40 square feet

METATECH CORPORATION

358 South Fairview Avenue, Suite E, Goleta 93117
Website: www.metatechcorp.com/

805.683.5681
Fax: 805.683.3023

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: 7 (California)
Scientific and Engineering Personnel: 5 (California)
Building Space: 3,700 square feet

MINOT ENTERPRISES, INC.

115 Via Lee, Santa Barbara 93111-1900
Email: jafishpaw@minotinc.com
Website: www.minotinc.com

805.683.5368
Fax: 805.683.1401

MAJOR ACTIVITIES

Systems Integrator – Factory Automation

KEY PERSONNEL

John Fishpaw ** – President
Mike Van Hecke ** – Vice President
Rob Opdahl * – Vice President

Number of Employees: 9
Scientific and Engineering Personnel: 7

PACIFIC DESIGN TECHNOLOGIES, INC.

6300 Lindmar Drive, Goleta 93117
Email: j.vasquez@pd-tech.com
Website: www.pd-tech.com

805.961.9110
Fax: 805.961.9120

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: 19,000 square feet

PACINFO TECHNOLOGIES, INC.

411 East Canon Perdido Street, Suite 16
Santa Barbara 93101-7532
Email: Larry.Leveille@pacinfotech.com
Website: www.pacinfotech.com

805.730.1565
Fax: 805.730.1569

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

RAYTHEON VISION SYSTEMS

75 Coromar Drive, Goleta 93117

805.562.2246

Email: stbaur@raytheon.com

Fax: 805.562.4797

Website: <http://www.raytheon.com/businesses/ncs/rvs/index.html>

Parent Organization

Raytheon Company

MAJOR ACTIVITIES

Infrared Detectors and Subsystems

- IR Detectors
- Focal Plane Arrays
- Cryogenic Components and IR Detectors
- Optical Coatings

KEY PERSONNEL

Michael Prout – General Manager

Stefan T. Baur ** – Director of Technology

John Franklin – Manager, Focal Plane Engineering and Processing

Scott M. Johnson, PhD ** – Technical Director, Advanced Products

Robert Kline – Manager, Business Development

Paul Rabolini – Manager, Operations

Gary Hughes – Manager, IC Design

Lucy M. Thoms-Harrington – Director, Combat Systems/Netted Sensors

Will Frye * – Director, Space and Airborne Sensors

Ellen Linder – Director of Engineering/Quality

Hung Tran – Manager, Program Operations

Number of Employees: 850

Scientific and Engineering Personnel: 500

Building Space: 316,031 square feet

SANTA BARBARA WEB HOSTING, INC.

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

805.692.6900

Email: support@sbwh.com

Website: 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
Email: sw@sikama.com
Website: www.sikama.com

805.962.1000
Fax: 805.962.6100

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
Website: www.spaceklabs.com

805.564.4404
Fax: 805.966.3249

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: 21
Scientific and Engineering Personnel: 7
Building Space: 10,000 square feet

SPECIAL TECHNOLOGIES LABORATORY

5520 Ekwill Street, Suite B, Santa Barbara 93111

805.681.2401
Fax: 805.681.2498

MAJOR ACTIVITIES

Applied Science and Engineering R&D

KEY PERSONNEL

Michael G. Martinez ** – Laboratory Director
Steven Iversen, PhD ** – Department Manager
Carol Champion – Operation Specialist

Number of Employees: 120
Scientific and Engineering Personnel: 80
Building Space: 84,000 square feet

STRATEGIC DEVELOPMENT ASSOCIATES

1187 Coast Village Road, Suite 1-115, Santa Barbara 93108

805.695.8006

Email: jfeldman@sdaconsulting.net

Website: www.sdaconsulting.net

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

TEXAS INSTRUMENTS

315 Bollay Drive, Goleta 93117

805.562.5122

Email: dfriedland@ti.com

Fax: 805.968.9770

Website: www.ti.com

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: 30
Scientific and Engineering Personnel: 27
Building Space: 12,000 square feet

TOYON RESEARCH CORPORATION

6800 Cortona Drive, Goleta 93117-3021

Email: toyoninfo@toyon.com

Website: www.toyon.com

805.968.6787

Fax: 805.685.8089

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

Joel R. Garbarino – Chairman of the Board

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

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

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

David S. Wright – Senior Scientist, Director of Homeland Security Team

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

Number of Employees: 113

Scientific and Engineering Personnel: 98

Building Space: 40,000 square feet

**UNIVERSITY OF CALIFORNIA
COLLEGE OF ENGINEERING**

Office of the Dean

Harold Frank Hall, Room 1038

Santa Barbara 93106-5130

Website: www.engineering.ucsb.edu

805.893.4802

Fax: 805.893.8124

MAJOR ACTIVITIES

- Research efforts at the College of Engineering continue to expand, especially in the areas of energy, bioengineering and biotechnology. During the past three years three new programs have been developed:

Institute for Energy Efficiency, Professor John Bower, Director and Dr. Daniel Colbert, Executive Director. The Institute for Energy Efficiency was established on the foundation of world-leading research in technologies that impact energy efficiency. These activities will change the way people around the world think about, produce and use energy, while educating and training a new generation of energy technologists for the emerging energy economy.

Venture Acceleration Initiative (VAI), Dr. Don Oparah, Director. VAI was officially launched in January 2008. The organization was specifically formed to support faculty in the pursuit of new ventures based on technology breakthroughs at UCSB. The VAI provides services that are designed to proactively accelerate the venture start-up process which include entrepreneurial consulting, business networking, and seed-funding. The VAI program will lead to direct benefits for the university and its community in terms of accelerated technology transfer, enhanced profile, motivated faculty and future goodwill. It is also envisioned that the resulting increase in the volume and rate of new venture creation at UCSB will have wider economic and societal impact in terms of faster access for society to high-value technologies, increased regional job creation sustained global competitiveness and a richer pool of investment opportunities for capital providers.

Engineering and the Science Corporate Affiliates Programs (CAP), Dr. Leslie Edwards, Director. Based on the premise that when industry and academia collaborate, the results are amazing. That's why Engineering and the Sciences at UC Santa Barbara is working to make it easier for industry to collaborate with the university and provide services in which industry leaders are most likely to be interested: Talk directly with faculty, start by searching our faculty database; Recruit students with the personalized recruiting services; Partnering in research and the types of research collaborations we offer as well as access intellectual property.

- 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 of Engineering.

KEY PERSONNEL

Larry Coldren, PhD ** – Acting Dean, College of Engineering
Frank Doyle, PhD ** – Associate Dean for Research
Glenn Beltz, PhD * – Associate Dean for Undergraduate Studies
Gary Hansen, PhD * – Associate Dean for Technology Management Programs
Kristi Newton-Day – Assistant Dean for Development
Jim Speck, PhD – Chair and Professor of Materials
Kimberly Turner, PhD – Chair and Professor of Mechanical and Environmental Engineering
Amr El-Abbadi, PhD – Chair and Professor of Computer Science
Mike Doherty, PhD – Chair and Professor of Chemical Engineering
Fred Chong, PhD – Chair of Computer Engineering Program
Jerry Gibson, PhD – Chair and Professor of Electrical and Computer Engineering
Gary Leal, PhD – Director, Institute for Multiscale Material Studies
Craig Hawker, PhD – Director, Materials Research Lab
Nicola Spaldin, PhD – Director, International Center for Materials Research
Divy Agrawal, PhD – Director, Engineering Computing Infrastructure
John Bowers, PhD – Institute for Energy Efficiency
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
Theofanis Theofanous, PhD – Director, Center for Risk Studies and Safety
Shuji Nakamura, PhD – Director, Solid State Lighting and Display Center
Frank Zok, PhD – Acting Director, Center for Multifunctional Materials and Structures
James Speck, PhD – Director, Interdisciplinary Center for Wide Band Gap Semiconductors
Mustafa Khammash, PhD – Director, Center for Control, Dynamical-systems, And Computation
Umesh Mishra, PhD – Director, Center for Advanced Nitride Electronics
Frank Zok, PhD – Acting Director, Center for Collaborative Research and Education (w/Cal Poly)

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/

805.893.2762
Fax: 805.893.8620

MAJOR ACTIVITIES

Complete Library Services

KEY PERSONNEL

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

Number of Employees: 180

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

Santa Barbara 93106-3110
Email: carlson@pstat.ucsb.edu
Website: www.pstat.ucsb.edu

805.893.2129
Fax: 805.893.2334

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:

Yuedong Wang, PhD – Department Chair and Professor
Jean-Pierre Fouque, PhD – Professor
David Hinkley, PhD ** – Professor
John Hsu, PhD * – Professor
S. Rao Jammalamadaka, PhD * – Professor
Michael Ludkovski, PhD – Assistant Professor
Andrew Carter, PhD – Associate Professor
Raya Feldman, DSc ** – 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: 46
Scientific and Engineering Personnel: 12
Building Space: 3,000 square feet

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

Mail Code 2080, Santa Barbara 93106-2080

Email: mlpsdean@Ltsc.ucsb.edu

Website: www.science.ucsb.edu

805.893.4602

Fax: 805.893.2441

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

Pierre Wiltzius, PhD ** – Dean

Bruce Luyendyk * – Associate Dean of Sciences

Jan Adelson ** – Assistant to the Dean

Scientific and Engineering Personnel: 280

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

Santa Barbara 93106-4030

805.893.4111

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

130 Robin Hill Road, Suite 100, Santa Barbara 93117

805.964.6010

Email: Timothy_Cohen@urscorp.com

Fax: 805.964.0259

Website: www.urscorp.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
Matt O'Brien ** – Vice President–Environmental Systems Division
Gib Fates * – Vice President–Assessment, Remediation and Geosciences
Craig Woodman * – Sr. Project Manager

Number of Employees: 150

Scientific and Engineering Personnel: 140

Building Space: 1,600 square feet

VEECO INSTRUMENTS

112 Robin Hill Road, Santa Barbara 93117-7123
Website: www.veeco.com/

805.967.2700
Fax: 805.967.7717

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 ** – Principal Engineer

Number of Employees: 200
Scientific and Engineering Personnel: 50
Building Space: 100,000 square feet

VENOCO, INC.

6267 Carpinteria Avenue, Suite 100, Carpinteria 93013
Website: www.venocoinc.com

805.745.2100
Fax: 805.745.1816

MAJOR ACTIVITIES

Oil and Gas Production

KEY PERSONNEL

George Ramsay ** – Senior Engineering Manager
Bob Van Nostrand ** – Engineering Manager

Number of Employees: 360
Scientific and Engineering Personnel: 70

WYATT TECHNOLOGY CORPORATION

6300 Hollister Avenue, Goleta 93117-3135

Email: info@wyatt.com

Website: www.wyatt.com/

805.681.9009

Fax: 805.681.0123

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

Tony Pascone – 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

Vincent Hsieh, PhD – Senior Scientist

Daniel Some, PhD – Principal Scientist

Aym Berges, PhD – Application Scientist

Sigrid Kuebler, PhD – Application Scientist

Number of Employees: 76

Scientific and Engineering Personnel: 40

Building Space: 30,000 square feet

INDIVIDUAL MEMBERS

AUE, BARBARA J., CPA

6156 Barrington Way, Goleta 93117-1759
Email: baue@silcom.com
Website: www.barbaraaue.com

805.692.9364
Fax: 805.692.9564

Business Consulting and Planning
Tax Planning and Other Services
Pass-through Entities
Technology Companies

AVOLIO, PAUL M.

President and Co-Founder
Latitude 34 Technologies, LLC
5662 Calle Real, #221, Goleta 93117
Email: Paul@L34Tech.com
Website: www.L34Tech.com

805.275.2386
Fax: 805.229.6027

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

BAJOR, GEORGE F., MD

814 Paseo Alicante, Santa Barbara 93103
Email: gebajor@cox.net

805.687.2134
Fax: 805.682-6240

BANKS, RICHARD C., CPA

1421 State Street, Suite A, Santa Barbara 93101-2507
Email: richardbanks@richardcbanks.com

805.957.1791
Fax: 805.957.1794

Financial consulting. Primary emphasis is on business and estate planning including specialized programs for executive benefits. Specialize in working with small- to medium-sized firms including family business.

BATES, DUANE M., PhD

3160 E. Highway 246, Santa Ynez 93460-9634
Email: duanembates@yahoo.com

805.708.9535

Versatile PhD Physicist with experience as a technical manager, leading multi-disciplined teams to create and execute optimal plans for product development and delivery. Extensive background in program management, systems engineering, and systems operations. Proven skills in process improvement and team development. Certified six sigma expert, black belt equivalent. Experienced in implementation of CMMI. Process-oriented and innovative.

BELIKOV, LIDIYA

368 Hillsboro Way, Goleta 93117-2813
Email: lbelikov@verizon.net

Cell: 805.570.9718
Fax: 805.571.1630

Language Specialist and Engineer

BHARGAVA, BRIJ B.

Ashman Technologies
4596 Sierra Madre Drive, Santa Barbara 93110-1338
Email: ashmant@aol.com

805.964.2104
Fax: 805.683-1011

- High Speed Permanent Magnet Alternators
- Generators for Aerospace
- Starter/Generators
- PM Brushless Motors
- High Speed Induction Motors

BLASIUS, KARL R., PhD

P.O. Box 3745, Santa Barbara 93130-3745
Email: kblasius@alumni.caltech.edu

805.964.4484

Raytheon – retired

BLOCK, ROBERT

P.O. Box 1259, Santa Barbara 93102-1259
Email: r.block@cox.net

805.898.0268

CARTWRIGHT, ROGER L.

333 Old Mill Road, #251, Santa Barbara 93110-3587
Email: rogercartwright@yahoo.com

805.967.0041
Cell: 972.849.2451

Roger Cartwright manufacturing engineer

CLAYTON, LORI A.

7554 Newport Drive, Goleta 93117-2420
Email: loriclinton@cox.net

805.685.5308

Dos Pueblos High School Career Advisor for ROP, the Regional Occupational Program, including computer, networking and electronics technology students.

DAVIS, JAMES IVEY, PhD

Joint Investment Development Co.

170 Loma Media Road, Santa Barbara 93103

Email: jidco@cox.net

Cell: 805.680.8668

Fax: 805.884.9828

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.

DeGRAW, YVONNE

5530 Pembroke Avenue, Santa Barbara 93111-1442

805.683.5784

Email: ydegrow@ydegrow.com

Website: www.ydegrow.com

- Technical Writing
- Instructional Design
- 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.

DellaVALLE, DOMINICK M.

dba/DellaValle Consulting Group

902 Nysted Drive, Solvang 93463-2248

Email: dmdellavalle@yahoo.com

805.693.9922

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.

ENGLISH, WOODROW DOUGLAS, ESQ.

674 County Square Drive, Suite 101, Ventura 93003-5454

Email: wdenglishesq@yahoo.com

Website: "in process" – none at present

805.642.2025

Fax: 805.642.0703

Attorney at Law

Intellectual Property Specialist

Patent, Trademark, Copyright, Licensing and Prosecution

ENSBERG, EARL S., PhD

2525 State Street, Unit #1, Santa Barbara 93105-3569

Email: eensberg@cox.net

805.898.3823

Fax: 805.687.1143

Retired physicist specializing in precise radio-frequency magnetic resonance in free atoms and molecular ions.

FRANKLIN, RUTH E.

744 Coyote Road, Santa Barbara 93108

Email: brent10@cox.net

805.967.2877

GREEN, ALICE V.

Green Dolphin Consulting

121-A Olive Mill Road, Santa Barbara 93108-2498

Email: alice.green@cox.net

805.969.6017

Writing/Editing; Special Projects; Marine/Coastal Issues

HADLEY, COLETTE

P.O. Box 3620, Santa Barbara 93130-3620

Email: chadley@sbscholarship.org

805.687.6065

Executive Director of the Scholarship Foundation of Santa Barbara

HOLBROOK, GEORGE

161 Rametto Road, Montecito 93108-2317

Email: ghbrc@aol.com

805.565.4913

Fax: 805.695.0790

Cell: 805.696.8295

Venture Investor

HOWE-GRANT, MARY E., PhD

4636 Vista Buena Road, Santa Barbara 93110-1946

Email: mhowegrant@worldnet.att.net

805.964.5747

Fax: 805.683.0790

Consultant – Science/Technology/Education

Private Tutor – Math/Chemistry/SATs

Editor, Encyclopedia of Chemical Technology, 4th Edition

Dedicated to excellence in

- high-quality product acquisition
- cost-effective problem solving

Effective translator of scientific information to

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

ILLGEN, JOHN D.

Director and Vice President
Northrop Grumman Simulation Technologies
130 Robin Hill Road, Suite 200 Goleta 93117
Email: john.illgen@ngc.com
Website: www.ngc.com

805.692.2333
Fax: 805.692.2335

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

Founders Capital Partners
1615 Lasuen Road, Santa Barbara 93103-1817
Email: bobjohnson@alum.mit.edu
Website: www.founderscapitalpartners.com

805.963.4600
Fax: 805.963.4704

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

KEARNEY, JAMES J.

990 Via Regina, Santa Barbara 93111
Email: jjkear@hotmail.com

805.964.0648
Cell: 208.841.8507

Education:

Purdue University – Engineering
Northwestern University – MBA

Sanitary Engineering; Transportation Planning; US State Department Foreign Aid Program; Mining, Oil and Gas Financing; LBO Financing

KIRK, JOHN C.

516 Las Perlas Drive, Santa Barbara 93111-1439
Email: jckirkjr@aol.com
Website: www.goletaengineering.com/

805.967.0600

Goleta Engineering, P.O. Box 6208, Santa Barbara 93160-6208

- Radar systems design and development

KOELLNER, HANS J.

341 Pacific View, Santa Barbara 93109
Email: hkoellner@verizon.net

805.962.3408
Fax: 805.962.3428

Electrical Engineer – retired

KONSTANTINOW, GEORGE, PhD

142 La Vista Grande, Santa Barbara 93103

805.426.9246

Email: george.konstantinow@ieee.org

Director of Information Technology, Networks and Telecommunications, Director R&D, IT Manager, Software Engineer, and Chief Scientist / Research Analyst in major engineering, biomedical, and telecommunications industries. PhD in Biomedical Engineering / Computer Science specializing in strategic business development, software product development for engineering support, healthcare database and business intelligence applications, high-performance computing in biomedical engineering bioinformatics, and Operations Research methods for resource optimization and decision support.

KRAVETZ, GARY

3463 State Street, #599, Santa Barbara 93105

805.898.7850

Email: gary@sbkravetz.com

Engineering, Business and Recruiting Consultant

KRYDER, PHILIP M.

Email: SciEng@Kryder.com

KVAAS, ROBERT E.

6271 Parkhurst Drive, Goleta 93117-1623

805.562.2022

Email: meteor@rain.org

- Infrared Detector Processing
- II-VI Material Technology

KVAAS, T. ARTHUR

933 Roble Lane, Santa Barbara 93103

805.965.6636

Email: akvaas@verizon.net

Fax: 805.965.0317

Physicist/Registered California Professional-Mechanical

LaPORTE, DANIEL D.

4432 Meadowlark Lane, Santa Barbara 93105

805.967.8058

Email: dandl805@gmail.com

LAZARINE, BETSY, PhD

Pueblo at Bath Street, Santa Barbara 93105

805.569.7436

P.O. Box 689, Santa Barbara 93102-0689

Fax: 805.569.7440

Email: blazarin@cottagehealthsystem.org

Research Administrator for Santa Barbara Cottage Hospital

LILLEY, ROBERT W., PhD

741 Cathedral Pointe Lane, Santa Barbara 93111

Email: robert.lilley@cox.net

Website: www.bemorehealthy.com

805.967.9394

Fax: 805.967.8471

Consultant – Aviation Management Associates, Washington, DC

Avionics, Navigation, Certification

PT – Northrop Grumman Simulation Technologies, Goleta

LINDEN, HARRY A.

Owner/President, Linden Systems

146 South Sierra Vista Road, Santa Barbara 93108-1742

P.O. Box 5123, Santa Barbara 93150-5123

Email: Lindensys@aol.com

805.969.1895

Fax: 805.969.1895

Product Design and Manufacture:

- Medical Products
- Sterilization Compliance
- Optics Design
- Innovative Solutions

LINDSAY, DANIEL A.

5593 Camino Cerralvo, Santa Barbara 93111

Email: Edgy01@aol.com

805.964.5020

LYNCH, JOHN W.

Lynch & Associates

590 Barker Pass Road, Santa Barbara 93108-1725

Email: JohnLynch5@mac.com

Website: www.virtualbusinessmeetings.com/

805.969.0052

Cell: 805.896.3110

Video Conferencing Consultant

MARKHAM, JAMES W., PhD

5250 Calle Morelia, Santa Barbara 93111-2435

Email: jimella@cox.net

805.967.3072

Titles: **Librarian Emeritus,**

Associate Curator of Algae

Dept: **Cheadle Center for Biodiversity and Ecological Restoration (CCBER),**

UCSB

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

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

MARTIN, B. KEITH

Lawyer and General Counsel, JD, BSEE
Corporate Securities and High-Tech Business Law
211 East Carrillo Street, Suite 205, Santa Barbara 93101
Email: km@high-techlawyer.com
Website: www.sbbizlaw.com

805.965.4100

Fax: 805.962-0722

20+ years of experience in corporate finance and taxation, negotiations and contracts, mergers and acquisitions, government contracting with expertise in intellectual property. Served as General Counsel for Mission Research Corp., Sputtered Films, Inc., Patagonia, Inc., Your Travel Center, Inc., SB Symphony Association; counsel for diverse small entities, including startups, corporations, partnerships, joint ventures and LLCs. Author and expert witness on corporate law; former radar engineer at Hughes Aircraft, intimate knowledge of high-tech issues. Adjunct Professor of Corporate Law at Santa Barbara College of Law.

McLENNAN, MILES W.

946 St. Mary's Lane, Santa Barbara 93111-1035
Email: mwmcl3@cox.net

805.967.0560

Available as consultant in underwater acoustics, tracking systems analysis, marine cable laying analysis and modeling, general computer modeling and programming.

McROY, BRUCE W.

Reicker Pfau Pyle & McRoy LLP
1421 State Street, Suite B, Santa Barbara 93101
P.O. Box 1470, Santa Barbara 93102-1470
Email: bmcroy@rppmh.com
Website: www.rppmh.com

805.966.2440

Fax: 805.966.3320

Attorney specializing in representing technology and industrial companies in corporate transactions and intellectual property.

MENDES, STANLEY H.

3217 Lucinda Lane, Santa Barbara 93105-2041
Email: smendes@stanleyh.com

805.682.2599

Fax: 805.569.2661

- Structural Engineering
- Seismic Retrofit Expert
- Earthquake Preparedness Planning

MILLER, JON R.

JRM Consultants Inc.
P.O. Box 90310, Santa Barbara 93190-0310
Email: jmiller@jrmconsultants.com
Website: www.jrmconsultants.com/

805.564.3119

Fax: 805.962.0378

Custom Electronic Systems and Circuits, Real-Time Signal Processing, Embedded Microprocessors

MORLEY, EARL R.

1055 Roble Lane, Santa Barbara 93103
Email: emsbca@yahoo.com

805.884.0094
Fax (call first): 805.884.0094

Engineering Geologist, Retired

NAGLE, STEVEN F., PhD

1522 Bath Street, Santa Barbara 93101-3025
Email: sfnagle@alum.mit.edu
Website: www.linkedin.com/in/stevennagle

805.560.0609

Technology and Business Development Specialist with 10 years of experience working on industrial and academic MEMS and Nanotechnology development, business development, project and personnel management, technology strategy development, hands-on micro- and nano-fabrication, device design, modeling, and testing.

NAUMANN, WALTER

6015 Jacaranda Way, #C, Carpinteria 93013
Email: wjnaumann@aol.com

805.220.6343
Cell: 805.448.5061

Instrumentation, Physicist; Sailor; Pilot; General Contractor Engineering

NORRIS, WAYNE B.

2534 Murrell Road, Santa Barbara 93109-1859
Email: norris.wayne@seds.llc.com
Website: www.seds-llc.com

24 Hr.: 805.967.3072
Fax: 805.456.2169

CHIEF SCIENTIST, SEDS, LLC. Integrated supply chain management for repair of military armored vehicles. Weapons detection systems, including hidden weapons under clothing, roadside bombs (IEDs), and domestic port security.

NOTT, JULIAN

704 Chiquita Road, Santa Barbara 93103
Email: nott@nott.com
Website: www.nott.com/

914.414.3316

- Consulting Scientist for lighter-than-air flight.
- 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.

PETERSON, EUGENE W.

631 San Roque Road, Santa Barbara 93105-2766
Email: ltpeterson@aol.com

805.687.3459

Retired Physicist

RADAZ, F. CHARLES

579 Saint Andrews Way, Lompoc 93436-1322
Email: fcmjradaz@aol.com

805.733.2051

Retired

RAFFENSPERGER, MAUREY J.

3761 Lincoln Road, Santa Barbara 93110
Email: MJR_EAR@msn.com

805.569.3006

Retired

REID, SANDRA G., PE, PMP

673 Wakefield Road, Goleta 93117
Email: sandra.reid@gmail.com

805.967.1553

RIEDERER, THOMAS P., PE

1215 Tunnel Road, Santa Barbara 93105
Email: TREng@cox.net
Website: members.cox.net/treng

805.569.3038

- Mechanical and Electromechanical Engineering
- Product Design
- Research and Development
- Manufacturing Development/Commercialization
- Expert Witness – Product Liability

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.

ROBIDOUX, LEO J.

1525 Lingate Lane, Santa Barbara 93108
Email: Irobidou3@verizon.net

805.969.0451
Fax: 805.969.0451

Retired Electrical Engineer

ROTHERMICH, E. WAYNE

6574 Covington Way, Goleta 93117-1513
Email: rother2@cox.net

805.455.1065

Electronic Design Consultant

- Design of Radio Frequency and Analog Electronics
- Design of Wireless Communications Systems
- Laboratory Facilities DC to 26 GHz
- Circuit and E-M Field Modeling and Simulation

ROUZER, DAVID A.

5639 West Camino Cielo, Santa Barbara 93105
Email: onerebelrouzer@netscape.net

805.964.8068

Quality Manager – Allergan Medical

RUBEN, MURRAY

4554 Via Clarice, Santa Barbara 93111-1348
Email: mar@ruben-engineering.com
Website: www.ruben-engineering.com

805.967.8770

- Mr. Ruben is a seasoned New Product development professional with decades of experience defining, designing and bringing to market innovative electronics-based products in over a dozen application areas.
- Currently, Mr. Ruben is co-leading an effort to introduce advanced kW level Li-Ion automotive batteries and their associated advanced electronic Battery Management Units into Military avionics applications. This is believed to be one of the most advanced development efforts of its type. Upon successful completion of this effort, the entire Avionics market will become accessible to advanced Li-Ion and electronic control technologies.
- The technologies developed for the Li-Ion avionics application is also applicable to many other motive type market segments. Inquiries are invited from interested parties.

SCHAPKER, RICHARD L.

70 Sommer Lane, Goleta 93117
Email: richs@silcom.com
Website: www.silcom.com/~richs

805.961.9933

Author, digital educational website

SCOPATZ, STEPHEN

President, Electro-Optical Industries, Inc. (EOI)
859 Ward Drive, Santa Barbara 93111
Email: sscopatz@electro-optical.com
Website: electro-optical.com

805.690.5234

Fax: 805.967.8590

President of Electro-Optical Industries, Inc. (EOI). EOI continues to provide Optical Test Systems and Sources for Infrared and Visible applications. In addition, Mr. Scopatz has experience in machine vision, chemical analysis equipment and biomedical devices.

SCOTT, DEBORAH CORWIN

6454 Covington Way, Goleta 93117-1516
Email: Deborah.scott@sa.ucsb.edu

805.964.4886

Fax: 805.893.5984 (UCSB)

Over 20 years of experience in Santa Barbara involving Engineering and Information Technology for Aerospace, Networking, and Software Industries and in a University setting.

SENSIPER, SAMUEL, ScD, PE (ret)

3775 Modoc Road, #117, Santa Barbara 93105
Email: sensiper1@ieee.org

805.879.5560

Although retired after over 60 years in the field of microwaves, antennas, and military/commercial systems and components, continuing part-time research particularly in use of non-orthogonal coordinates for solving electromagnetic boundary value problems including the use of Mathematica and Maple.

SEVER, DAVID L.

2855 Vista Elevada, Santa Barbara 93105

805.682.4331

Electromechanical Engineer – retired

SHAPPEE, MARK B.

President, Venture Management, Inc.

674 County Square Drive, Suite 105, Ventura 93003-5450

805.644.5335

Email: mark@venturemanagement.com

Fax: 805.644.0790

Website: www.venturemanagement.com/

Major Activities:

- Mergers and Acquisitions
- Corporate Finance
- Venture Capital
- Technology Licensing

SHEAFFER, MARILYN M.

Writer

SHERBY, THOMAS A., PhD

584 Barker Pass Road, Santa Barbara 93108

805.565.4836

Email: Tasherby@aol.com

Fax: 805.565.4836

Website: www.knights.com

CEO of Knights Technology – Retired

SMITH, JAMES A.

Consultant

2562 Treasure Drive, S-4102, Santa Barbara 93105

805.687.7911

Email: jasmith181@aol.com

Fax: 805.687.0832

- Expert Witness re Electrical Accidents —> Damage, Injury or Death
- Compliance with National Electric Safety Code
- Electric Power Systems

SPANN, MICHAEL, PhD

8390 Vereda del Padre, Goleta 93117

Email: mikes@spann.com

Software Engineer

STAPLETON, GERRY F.

I-P Research Co.

967 St. Mary's Lane, Santa Barbara 93111-1034

Email: GerryS3307@aol.com

805.964.2739

System Engineer

Patent Research

STRAEHLEY, ERWIN H. (Terry)

Principal, Straehley Associates

4533 Carriage Hill Drive, Santa Barbara 93110-2033

Email: straehle@strassoc.com

Website: <http://photos.strassoc.com>

805.683.4174

Images by Terry Straehley

- Stock Photos Online at photos.strassoc.com
- Custom Photography

STUCK, C. GLENN

4740 Calle Camarada, Santa Barbara 93110-2017

Email: gstuck@gte.net

805.878.3835

Electronic Product Development Engineer

TALLEY, ROBERT M., PhD

1050 Via Los Padres, Santa Barbara 93111-1345

Email: rtalley@rain.org

805.683.0754

Fax: 805.683.3591

THEERINGER, WILLIAM A.

6187 Manzanillo Drive, Santa Barbara 93117-1718

Email: w8pey@arrl.net

805.964.5454

TOBLER, WALDO, PhD

366 Ribera Drive, Santa Barbara 93111-1803

Email: tobler@geog.ucsb.edu

805.964.0116

Fax: 805.893.3146

Professor Emeritus, UCSB

Member, National Academy of Sciences USA

WINKLER, WYNETTE K.

P.O. Box 360, San Luis Obispo 93406-0360

25 years of experience in business management roles including marketing and sales, finance, human resources and professional services. Past employers include Openwave Systems, Hughes Aircraft, Applied Magnetics, and Martin Marietta. Currently work at Cal Poly, San Luis Obispo.

WOOD, DONALD C.

Versatech Services

1435 Begonia Drive, Carpinteria 93013-1607

Email: dcwood13@verizon.net

805.684.3705

Cell: 805.750.2372

Consultant

- Materials and Process Development
- Technical Service

CHAMBERS OF COMMERCE

CARPINTERIA VALLEY CHAMBER OF COMMERCE

1056-B Eugenia Place, Carpinteria 93013 805.684.5479
P.O. Box 956, Carpinteria 93014-0956 Fax: 805.684.3477
Email: info@carpinteriachamber.org
Website: www.carpinteriachamber.org/

GOLETA VALLEY CHAMBER OF COMMERCE

P.O. Box 781, Goleta 93116-0781 805.967.2500
Email: info@goletavalley.com Fax: 805.967.4615
Website: www.goletavalley.com/

SANTA BARBARA REGION CHAMBER OF COMMERCE

924 Anacapa Street, Suite 1, Santa Barbara 93101 805.965.3023
P.O. Box 299, Santa Barbara 93102-0299 Fax: 805.966.5954
Email: sbchamb@sbchamber.org
Website: www.sbchamber.org/

TECHNICAL SOCIETIES

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) LA SECTION, SANTA BARBARA / VENTURA BRANCH

c/o Paul Callaway, P.E. – President 805.654.2019
Ventura County Watershed Protection District
Email: paul.callaway@ventura.org

INSTITUTE OF ELECTRICAL & ELECTRONICS ENGINEERS, INC. (IEEE), CENTRAL COAST SECTION

c/o Rhonda R. Peters – Vice Chair 805.252.0714
Clipper Windpower, Carpinteria 93013
Email: rrp@ieee.org; rpeters@clipperwind.com

SOCIETY FOR TECHNICAL COMMUNICATION (STC)

c/o Eileen Hagen – Newsletter Editor
Email: EAHagen@KFA.org
Website: www.sbstc.org/

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10+ Years

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Barbara J. Aue
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Mary E. Howe-Grant, PhD
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Ilan M. Levi, PhD
Miles W. McLennan
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Waldo Tobler, PhD

5+ Years

Anderson Systems
MC Research & Innovation Center
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George Bajor
Lidiya Belikov
Karl R. Blasius, PhD
Robert B. Block
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B. Keith Martin
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Thomas P. Riederer
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Corporate Members, Delegates, and Alternates Individual Members

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