



Science and Engineering Council  
of Santa Barbara, Inc.

**TECHNICAL  
SERVICES  
DIRECTORY**

*2012*

[01 January 2012]

**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

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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, scientists, and business professionals.

- **Technical Services Directory**

*Technical Services Directory* of **SEC** members is posted on the **SEC** website ([www.scieng.org](http://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](mailto:scieng@silcom.com)

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

# OFFICERS; DIRECTORS; COMMITTEE CHAIRS

October 2011 to September 2012

## CO-PRESIDENTS

Timothy J. Murphy	805.963.0480	timothy.murphy@cardno.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		gary@sbkravetz.com
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## 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	805.566.0598	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

2011-12	Timothy J. Murphy and Gary Kravetz
2010-11	Timothy J. Murphy and Gary Kravetz
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.; Cardno ENTRIX
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

### **ASTRO AEROSPACE**

6384 Via Real, Carpinteria 93013-2920  
Website: [www.Astro-Aerospace.com](http://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: 68  
Scientific and Engineering Personnel: 40  
Building Space: 50,000 square feet

### **ATK SPACE SYSTEMS-GOLETA**

60 Pine Avenue, Goleta 93117-3831  
Website: [www.atk.com](http://www.atk.com)

805.685.2262  
Fax: 805.685.1369

#### 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\* – General Manager  
Mike Eskenazi\* – Engineering Director  
Gary Heinemann\* – Director of Programs  
Earl Beers\* – Chief Engineer, Antennas

Number of Employees: 160  
Scientific and Engineering Personnel: 60  
Building Space: 70,000 square feet

## **AT&T GOVERNMENT SOLUTIONS**

An AT&T Company

5383 Hollister Avenue, Suite 200, Santa Barbara 93111-2304  
P.O. Box 6770, Santa Barbara 93160-6770

805.964.7724  
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: 34  
Scientific and Engineering Personnel: 22  
Building Space: 24,000 square feet

## **BENGAL ENGINEERING INC.**

250 Big Sur Drive, Goleta 93117

805.563.0788

Email: [Scott@BengalEngineering.com](mailto:Scott@BengalEngineering.com)

[Md@BengalEngineering.com](mailto:Md@BengalEngineering.com)

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

### MAJOR ACTIVITIES

Civil, Structural, Hydraulic and Transportation Engineers

### KEY PERSONNEL

Md. Wahiduzzaman\* – Principal  
Scott Onishuk\* – Principal

Number of Employees: 9

## **BRUKER**

112 Robin Hill Road, Santa Barbara 93117-7123

805.967.2700

Website: [www.brucker-axs.com/](http://www.brucker-axs.com/)

Fax: 805.967.7717

### MAJOR ACTIVITIES

Bruker 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

**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/)

805.692.9300  
Fax: 805.692.1966

MAJOR ACTIVITIES

- Measurement Standards Laboratory
- Calibrates and Repairs Measuring Equipment
- Performs Precision Inspection
- Certifies Cleanroom Environments
- Consults on ISO9001, ISO/IEC 17025:2000 and ANSI/NCSL Z540.3, and International Regulatory Compliance

KEY PERSONNEL

Barbara Tzur\* – President  
Richard Jones, Sr. – Laboratory Supervisor  
Samuel Yarbrow – Quality Engineer

Number of Employees: 6  
Scientific and Engineering Personnel: 4  
Building Space: 2,000 square feet

**Cardno ENTRIX**

201 North Calle Cesar Chavez, Suite 203  
Santa Barbara 93103  
Email: [timothy.murphy.cardno.com](mailto:timothy.murphy.cardno.com)  
Website: [www.cardno.com](http://www.cardno.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 Management  
Dan Tormey – Technical Director  
Laura Riege – Senior Biologist, Restoration Ecologist  
Chip Blankenhorn – Senior Engineer

Number of Employees: 35 in Santa Barbara/Los Angeles; 3,500 firm-wide  
Scientific and Engineering Personnel: 30 in Santa Barbara/Los Angeles  
Building Space: 40,000 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](mailto:info@goleta.com)  
Website: [www.communitywestbank.com](http://www.communitywestbank.com)

805.692.5821  
Fax: 805.692.8902

A Community West Bancshares Company

### MAJOR ACTIVITIES

Financial, SBA

### KEY PERSONNEL

Edward Mylett\* – President / CEO

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

## **ENERPRO, INCORPORATED**

5780 Thornwood Drive, Goleta 93117-3802  
Email: [Frankb@enerpro-inc.com](mailto:Frankb@enerpro-inc.com)  
Website: [www.enerpro-inc.com/](http://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  
Thomas F. Bourbeau – Vice President  
Robert Thies\* – Operations Manager  
Saul Rivera\* – Engineering Manager  
James T. Matherly – Design Engineer  
Konrad Ancheta – Applications / Test Supervisor  
Janice McClore\* – Quality Assurance Manager  
Gary Coulson – Production Manager  
Adaya Smootha – Accountant  
Ariana Garcia – Human Resources Manager

Number of Employees: 26  
Scientific and Engineering Personnel: 4  
Building Space: 8,600 square feet

**GAZOS CREEK, INC.**

579 Bluebird Glen Road, Buellton 93427  
Email: [sglasgow@gazos.com](mailto:sglasgow@gazos.com)  
Website: [www.gazos.com](http://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.**

6160-C Wallace Becknell Road, Santa Barbara 93117  
Email: [cgreene@greeneridge.com](mailto: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: 8  
Scientific and Engineering Personnel: 7  
Building Space: 3,800 square feet

**METATECH CORPORATION**

358 South Fairview Avenue, Suite E, Goleta 93117  
Website: [www.metatechcorp.com/](http://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  
Edward Savage, PhD\* – Senior Scientist  
James L. Gilbert, PhD\* – Chief Scientist

Number of Employees: 6 (California)  
Scientific and Engineering Personnel: 4 (California)  
Building Space: 3,700 square feet

**MINOT ENTERPRISES, INC.**

115 Via Lee, Santa Barbara 93111-1900  
Email: [jafishpaw@minotinc.com](mailto:jafishpaw@minotinc.com)  
Website: [www.minotinc.com](http://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: [m.brown@pd-tech.com](mailto:m.brown@pd-tech.com)  
Website: [www.pd-tech.com](http://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

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

Number of Employees: 26  
Scientific and Engineering Personnel: 9  
Building Space: 19,000 square feet

## **RAYTHEON COMPANY**

Goleta-based Operations

- Electronic Warfare Systems
- Raytheon Vision Systems

### Raytheon POC Local Mailing Address / Phone No.:

Stefan Baur

75 Coromar Drive, Goleta 93117

Email: [stbaur@raytheon.com](mailto:stbaur@raytheon.com)

805.562.2246

Fax: 805.562.4797

### Parent Organization

Raytheon Company

## MAJOR ACTIVITIES and KEY PERSONNEL

### **Electronic Warfare Systems**

Website:

<http://www.raytheon.com/businesses/rsas/missionareas/tactical/index.html>

- A world leader in the development and production of Electronic Warfare products for Strategic and Tactical Aircraft, Helicopters, surface ships and submarines for the US Air Force, US Navy, and their International counterparts.

Scott C. Jackson – General Manager

Abe Himmel – Program Technical Director

Don Saleh – Chief Engineer

### **Raytheon Vision Systems – Infrared Detectors and Subsystems**

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

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

Michael Prout – General Manager

Stefan T. Baur – Director of Technology

Hung Tran – Manager, Program Operations

Will Frye – Director, Space and Airborne Sensors

John Franklin – Manager, Focal Plane Engineering and Processing

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

Ellen Linder – Director of Engineering / Quality

Gary Hughes – Manager, IC Design

Number of Employees in Goleta: 1,506

Scientific and Engineering Personnel: 800

Building Space: 529,625 square feet

**SANTA BARBARA WEB HOSTING, INC.**

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

805.692.6900

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

805.962.1000

Email: [s.w@sikama.com](mailto:s.w@sikama.com)

Fax: 805.962.6100

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 B. Hull\* – Office Manager

Robert Green – Production Manager

Number of Employees: 13

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](http://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  
Thomas Hughes – Production Manager  
George Polivka, PhD\* – Chief Scientist  
Jeff Childers, PhD\* – Vice President, Director of Amplifier Division  
Jiri Polivka, PhD – Senior Scientist  
Alexandra S. Wilson\* – Office Manager, CFO

Number of Employees: 21  
Scientific and Engineering Personnel: 8  
Building Space: 10,000 square feet

**SPECIAL TECHNOLOGIES LABORATORY**

5520 Ekwil 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  
Rory McCarthy\* – Deputy Director  
Charol Champion – Operation Specialist

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

## **SPHERION**

271 North Fairview Avenue, #104, Goleta 93117-3608 805.683.1600  
Email: trishmiller@spherion.com Fax: 805.683.1699  
Website: [www.spherion.com](http://www.spherion.com)

### MAJOR ACTIVITIES

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

### KEY PERSONNEL

Susie Weslander\* – Executive Recruiter

Number of Employees: 3  
Building Space: 2,000 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](http://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](http://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](mailto:toyoninfo@toyon.com)

Website: [www.toyon.com](http://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 C41SR Team

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

David S. Wright – Vice President, Director of Homeland Security Team

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

Number of Employees: 115

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](http://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

Rod Alferness, PhD\* – Dean, College of Engineering  
Glenn Beltz, PhD\* – Associate Dean for Undergraduate Studies  
Frank Doyle, PhD\* – Associate Dean for Research  
Behrooz Parhami, PhD\* – Associate Dean for Academic Personnel  
Amr El-Abbadi, PhD – Chair and Professor of Computer Science  
Fred Chong, PhD – Chair of Computer Engineering Program  
Mike Doherty, PhD – Chair and Professor of Chemical Engineering  
Jerry Gibson, PhD – Chair and Professor of Electrical and Computer Engineering  
Jim Speck, PhD – Chair and Professor of Materials  
Kimberly Turner, PhD – Chair and Professor of Mechanical Engineering

Number of Employees: 260  
Scientific and Engineering Personnel: 192  
Building Space: 286,886 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](mailto:mlpsdean@Ltsc.ucsb.edu)

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

Rick Church\* – Associate Dean

Bruce Luyendyk\* – Associate Dean of Sciences

Jan Adelson\* – Assistant to the Dean of Science

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](mailto:Timothy_Cohen@urscorp.com)

Fax: 805.964.0259

Website: [www.urscorp.com](http://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

## **VENOCO, INC.**

6267 Carpinteria Avenue, Suite 100, Carpinteria 93013-2872  
Website: [www.venocoinc.com](http://www.venocoinc.com)

805.745.2100  
Fax: 805.745.1816

### MAJOR ACTIVITIES

Oil and Gas Production

### KEY PERSONNEL

George Ramsay\* – Senior Projects Facility Engineer  
Mike Wracher\* – Vice President of Exploration  
Bob Zahner\* – Senior Petroleum Engineer

Number of Employees: 375  
Scientific and Engineering Personnel: 85

## **WYATT TECHNOLOGY CORPORATION**

6300 Hollister Avenue, Goleta 93117-3135  
Email: [info@wyatt.com](mailto:info@wyatt.com)  
Website: [www.wyatt.com/](http://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  
Geoffrey 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  
Sophia Kendrick, PhD – Research and Development Engineer  
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: 77  
Scientific and Engineering Personnel: 40  
Building Space: 30,000 square feet

## INDIVIDUAL MEMBERS

### **AUE, BARBARA J., CPA**

6156 Barrington Way, Goleta 93117-1759  
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Website: www.barbaraue.com

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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 93103-1712  
Email: gebajor@cox.net

805.687.2134  
Fax: 805.682-6240

### **BANKS, RICHARD C., CPA**

P.O. Box 5146, Santa Barbara 93150-5146  
Email: richardbanks@richardcbanks.com

805.957.1791  
Fax: 805.957.1794  
Cell: 805.895.3888

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

Office: 805.688.9534  
Cell: 805.708.9535

Duane M. Bates is a versatile PhD Physicist with experience as a technical manager, having led a number of multidisciplinary teams to create and execute optimal plans for product development and delivery. He has an extensive background in program management, systems engineering, and systems operations. Duane has proven skills in process improvement and team development. He is a certified six sigma expert (a black belt equivalent), and is experienced in the implementation of CMMI. Duane is process-oriented, innovative, and entrepreneurial.

**McKinney Advisory Group:** As a member of the McKinney Advisory Group, Dr. Bates applies his skills to research supporting a wide variety of business services endeavors including commercial real estate portfolio management, site selection, workforce optimization, and the capture of economic development incentives.

**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

**BISNO, LESLIE A.**

3905 State Street, #240, Santa Barbara 93105  
Email: bisyes@aol.com

805.455.9871

Professional Fundraiser

**BLASIVUS, KARL R., PhD**

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

805.964.4484

Raytheon – retired

**COSTALES, JOHN PAUL**

Email: costales@gmail.com

805.453.3378

Sr. Mechanical Engineer and Product Development Engineer, Asylum Research

**DeGRAW, YVONNE**

5530 Pembroke Avenue, Santa Barbara 93111-1442

805.683.5784

Email: [ydegrow@ydegrow.com](mailto:ydegrow@ydegrow.com)

Website: [www.ydegrow.com](http://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

805.693.9922

Email: [dmdellavalle@yahoo.com](mailto:dmdellavalle@yahoo.com)

I am a management and business development professional with over 28 years of experience in the government space business. I am presently supplying program management, program engineering technical expertise to a payload Spacecraft and 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.

Since 2007 as Owner of the DellaValle Consulting Group (DCG) I supply personnel for the aerospace industry who have unique experience in Program Management, Program Engineering, Project Management, Proposal Support, Strategic Planning, Business Development, and Marketing. DCG is presently focused in the area of mission integration in the launch services arena.

**DeNOVA, NYDIA**

1543 Cliff Drive, Santa Barbara 93109

805.560.6727

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Senior Software Engineer

**ENGLISH, WOODROW DOUGLAS, ESQ.; J.D. Law**

English & Associates

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

805.642.2025

Email: wdenglishesq@yahoo.com

Fax: 805.642.0703

Website: "in process" – none at present

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

805.898.3823

Email: eensberg@cox.net

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

805.967.2877

Email: brent10@cox.net

**GOLDEN, RICHARD J.**

6207 Parkhurst Drive, Goleta 93117-1625

805.964.4855

Email: gtsservice@cox.net

**HADLEY, COLETTE**

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

805.687.6065

Email: chadley@sbscholarship.org

Executive Director of the Scholarship Foundation of Santa Barbara

**HOLBROOK, GEORGE**

Bradley Resources Company

805.565.4913

161 Rametto Road, Montecito 93108-2317

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Email: ghbrc@aol.com

Cell: 805.696.8295

Venture Investor

**HOWE-GRANT, MARY E., PhD**

4636 Vista Buena Road, Santa Barbara 93110-1946

805.964.5747

Email: mhowegrant@worldnet.att.net

Fax: 805.683.0790

Consultant – Science/Technology/Education

Private Tutor – Math/Chemistry/SATs

Editor, Encyclopedia of Chemical Technology, 4<sup>th</sup> 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](mailto:john.illgen@ngc.com)  
Website: [www.ngc.com](http://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](mailto:bobjohnson@alum.mit.edu)  
Website: [www.founderscapitalpartners.com](http://www.founderscapitalpartners.com)

805.963.4600  
Fax: 805.963.4704

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

**JONES, COLIN E., PhD**

1035 May Court, Santa Barbara 93111  
Email: [cnjjones@gmail.com](mailto:cnjjones@gmail.com)

805.683.1937

Consulting in electronic materials, IR Detectors  
Retired – from Lockheed Martin-Santa Barbara, Focal Plane  
Previous Work – GM-Hughes Aircraft – SBRC – Honeywell Research, Lehigh University, Princeton University

**KEARNEY, JAMES J.**

990 Via Regina, Santa Barbara 93111  
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805.964.0648  
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Education:

Purdue University – Engineering  
Northwestern University – MBA

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

**KIM, TAE C.**

430 Por La Mar Circle, Santa Barbara 93103  
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Certified Information System Security Professional (CISSP)

**KIRK, JOHN C.**

516 Las Perlas Drive, Santa Barbara 93111-1439  
Email: [jckirkjr@aol.com](mailto:jckirkjr@aol.com)  
Website: [www.goletaengineering.com/](http://www.goletaengineering.com/)

805.967.0600

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

- Radar systems design and development

**KNIGHT, JAMES J**

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Vice President, The Novim Group: Scientific collaboration on critical current issues, 'Just Science'

**KOELLNER, HANS J.**

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805.564.4925

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Electrical Engineer – retired

**KONSTANTINOW, GEORGE, PhD**

142 La Vista Grande, Santa Barbara 93103

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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**

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I provide free business consulting and Angel funding.

**KRYDER, PHILIP M.**

Email: SciEng@Kryder.com

**KVAAS, ROBERT E.**

6271 Parkhurst Drive, Goleta 93117-1623

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805.964.4626

- Infrared Detector Processing
- II-VI Material Technology

**KVAAS, T. ARTHUR**

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805.965.6636

805.975.0317

Physicist/Registered California Professional-Mechanical

**LaPORTE, DANIEL D.**

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**LAZARINE, BETSY, PhD**

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Email: blazarin@cottagehealthsystem.org

805.569.7436  
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Research Administrator for Santa Barbara Cottage Hospital

**LEVI, BARBARA G., PhD**

1616 La Vista del Oceano, Santa Barbara 93109-1790  
Email: bglevi@msn.com

805.962.8900

Long time writer for *Physics Today* magazine

**LEVI, ILAN M., PhD**

1616 La Vista del Oceano, Santa Barbara 93109-1790  
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805.962.8900

Now retired, was a lab director at AT&T Bell Labs

**LILLEY, ROBERT W., PhD**

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805.967.9394  
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Consultant – Aviation Management Associates, Washington, DC  
Avionics, Navigation, Certification  
PT – Northrop Grumman Simulation Technologies, Goleta

**LINDEN, HARRY A.**

Owner/President, Linden Systems  
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- The technologies developed for these government supported Li-Ion battery applications is also applicable to many other market segments. Current efforts are focused on developing advanced hybrid power systems, with superior cost and power per unit weight characteristics, for energy assisted bicycles and the "warrior of the future" power packs. Inquiries are invited from interested parties.

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