



Science and Engineering Council  
of Santa Barbara, Inc.

# **TECHNICAL SERVICES DIRECTORY**

*2010 – Our 50<sup>th</sup> Year!*

[Revised 14 February 2010]

**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 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](mailto:adeane@andersys.com)

Website: [www.andersys.com](http://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](mailto:science@AquaResearch.org)

Website: [www.AquaResearch.org](http://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](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

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](mailto:iana.lara@cst.Schneider-Electric.com)

Fax: 805.968.6523

Website: [www.beiied.com](http://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](http://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](mailto:barbara.tzur@brylen.com)

Fax: 805.692.1966

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

MAJOR ACTIVITIES

- Measurement Standards Laboratory
- Calibrates and Repairs Measuring Equipment
- Performs Precision Inspection
- Certifies Cleanroom Environments
- Assists with ISO9001 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](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

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](mailto:staff@esaero.com)  
Website: [www.esaero.com](http://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](mailto:Frank@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

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](mailto:tmurphy@entrix.com)

Website: [www.entrix.com](http://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](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.**

1411 Firestone 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: 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](mailto:robb.moore@kollabra.com)  
Website: [www.kollabra.com](http://www.kollabra.com)

800.565.5227,x217  
Fax: 866.565.5227

MAJOR ACTIVITIES

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

KEY PERSONNEL

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

Number of Employees: 9  
Scientific and Engineering Personnel: 9  
Building Space: 4,000 square feet

**LANG TECHNOLOGY CORPORATION**

6483-G Calle Real, Goleta 93117  
Email: [bob@langtechnology.com](mailto: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](mailto:info@launchpnt.com)

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

## **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  
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](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: [j.vasquez@pd-tech.com](mailto:j.vasquez@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

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](mailto:Larry.Leveille@pacinfotech.com)  
Website: [www.pacinfotech.com](http://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  
Email: [stbaur@raytheon.com](mailto:stbaur@raytheon.com)  
Website: <http://www.raytheon.com/businesses/ncs/rvs/index.html>

805.562.2246  
Fax: 805.562.4797

### 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](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: [sw@sikama.com](mailto:sw@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](mailto: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

Anna Spacek – Controller

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

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](mailto: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](mailto: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 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](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

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/](http://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  
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

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

**VEECO INSTRUMENTS**

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

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.barbaraue.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 black belt expert. 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

**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](mailto: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](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.

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