

ARIS K. SILZARS

QUALIFICATIONS SUMMARY

Over thirty -years of increasingly responsible technology, marketing, general management, and business development experience in meeting customer needs with high-performance electronic products.

- * Extensive experience in positioning technology-based products for competitive advantage, including the identification of distinctive competencies and market differentiating factors.
- * Proficient at creating new products and new opportunities through understanding of technology, manufacturing, and the assessment of business and market opportunities.
- * A skilled manager of complex multi-technology product developments requiring invention and new technology introduction.
- * Well-known internationally as an expert on display technologies through presentations, publications, and technical society leadership.

PROFESSIONAL EXPERIENCE

1995 - Present

NORTHLIGHT DISPLAYS - SAMMAMISH, WA.

Founder and President

Business development, technology support, and strategic consulting for established and emerging Information Display companies.

- * Relocated to the Northwest and founded a new business providing technology development, technology forecasting, and applications support to Information Display businesses and new ventures.
- * Created an industry forum for Display Technologies and Display Manufacturers by founding the DisplayWorks industry conference as a joint venture sponsored by SID, SEMI, and USDC.
- * Developed the concept of a "virtual" corporation serving the display community with an international support base including partnering relationships with technologists in Russia, France, Japan, Korea, and Princeton and San Jose in the US.
- * Positioned the company to become an international resource center for Information Display technology developments and applications.

1994 - 1995

SARNOFF CORPORATION - PRINCETON, NJ.

Director of the Display Research Laboratory

Technology leadership, development, and marketing for all display technologies -- CRTs, FEDs, Plasma, LCDs, EL, and Phosphors.

- * Increased the laboratories contract revenue by more than \$5 million in less than one year.
- * Developed a new business strategy and repositioned the group to become the principal display representatives of the Sarnoff Corporation to government and

industry.

- * Created a "Center of Excellence" for Field-Emission Technology by bringing in key new contracts and by working with government and industry partners.

1993 - 1994

DUPONT CO. - Advanced Composite Materials - NEWARK, DE.

Senior Consultant for Electronics

Business development of new materials technologies for applications in electronics.

- * At the request of DuPont management, assessed the electronics business potential and technology competitiveness of: Metal-Matrix Composites, Aramids, Pitch-Carbon Fibers, Metallized Kevlar, Diamond Films and Fibers, Photopolymers, and High-Temperature Superconducting Materials.
- * Applied new-technology marketing experience to provide business plans for coated fibers as electron-emitters for flat-panel displays and Thermount® (Kevlar/Nomex Aramid) as a substrate material for Multi-Chip Modules.
- * Developed new patentable concepts for products using metallized Kevlar, display structures incorporating coated fibers, holographic filters for color displays, and a low-cost manufacturing process for Metal-Matrix Composites.

1990 - 1993

LANXIDE ELECTRONIC COMPONENTS, L.P., NEWARK, DE.

President and CEO

Strategic planning, business development, and operations responsibility for the start-up of an electronics business based on composite materials technology developed by the parent Lanxide Corporation.

- * Developed the business plan, adapted the materials technology, established a salable product base, and achieved the first \$5MM+ of orders to military and commercial customers.
- * Worked with DuPont, the funding partner, to scale-up the technology to achieve volume manufacturing capability at competitive cost.
- * Implemented a team oriented company culture and trained 50+ employees in the skills of new business development, manufacturing scale-up, MRP II, and TQM.

1988 - 1990

INTERCHIP SOLUTIONS, INC., BEAVERTON, OR.

President/CEO and Founder

Business development and marketing responsibility for the start-up of a Multi-Chip Module Company.

- * Developed the Business Plan, assembled a management team, and worked with a variety of investors to successfully achieve first-round financing.
- * Determined and prioritized the needs of system designers (the customers), positioned the company to effectively respond to those needs, and accomplished the first sale of products.
- * Implemented partnerships with companies supplying CAE tools, fabrication technology, and test equipment.

1974 - 1988

TEKTRONIX, INC., BEAVERTON, OR.

(1984 - 1988)

General Manager, Hybrid Components Operation

Managed the transformation of this 500 employee 125,000 sq. ft. facility from an internal service organization to an independent business unit with sales to Tek divisions and outside customers.

- * Developed the marketing and sales strategy that resulted in \$10MM+ of new external hybrids business in less than 2 years.
- * Increased sales to internal Tektronix customers from \$30MM to \$38MM during a period of no growth in the company.
- * Improved the division's financial performance from an \$8MM/year loss to profitability.
- * Established and managed a sales organization, independent from Tektronix Corporate sales, to serve the hybrid and IC businesses.
- * Identified new business opportunities and expanded the Hybrid and Ceramics product lines with the introduction of multi-layer ceramic packages and electro-optic components.
- * Improved product delivery and quality, reduced inventories, and eliminated shortages through organization-wide use of MRP II and Just-in-Time principles.

(1980 - 1984)

Director, Solid State Group

Provided the strategic leadership and management for the development, product application, and manufacturing of all semiconductor and component integration technologies including, Bipolar IC's, MOS IC's, Hybrids, and Ceramic Components. The facilities were located in two buildings (250,000 sq. ft. total) and employed over 900 people.

- * Established the strategy and implementation of CAE tools for the design and layout of ICs and hybrids.
- * Successfully managed the design and start-up of a new 50,000 sq. ft. IC facility, the installation of a very high-speed bipolar process, and the introduction of E-beam lithography.
- * Developed and initiated the manufacture of analog ASICs (Quick-Chip), CCD arrays, and high-speed signal acquisition devices (Si and GaAs).
- * Identified the need and implemented the large scale use of Hybrids and Custom IC's into Tek's next generation portable oscilloscopes, the Company's highest revenue products.

(1974 - 1980)

Manager, Component Development Group

Increasing responsibility for the selection, development, and implementation of new component technologies into Tektronix products. Managed the company's R&D activities in displays, hybrid circuits, monolithic IC's and electro-mechanical components with a staff of 350 engineers and technicians.

- * Guided the technology selection and development of high-performance CRTs, micro-channel plate CRT's, and signal processing devices.
- * Initiated the development of GaAs technology at Tektronix, which later resulted in the formation of TriQuint Semiconductor.

1969 - 1974

WATKINS-JOHNSON CO., PALO ALTO, CA.

Section Head - Program Manager - Senior Engineer

Developed and promoted Electron Beam Semiconductor devices for military signal processing applications including broadband microwave amplifiers, high-power bandpass RF amplifiers, and high current nanosecond risetime modulators.

EDUCATION

Ph.D., E.E. - University of Utah, 1969
M.A., Physics - University of Utah, 1965
B.A., Physics - Reed College, Portland, OR., 1963

**MEMBERSHIPS &
PROFESSIONAL
ACTIVITIES**

Society for Information Display – Convention and Bylaws Committees Chair.
Past President and Past Member of the Executive Committee.
Past Senior Member of the IEEE.
General Chair of the 2005 and 2006 SID Business Conference.
General Chair of the 2004 Society for Information Display Symposium.
General Chair of the 1985 Custom Integrated Circuits Conference.
General Chair of the 1987 Society for Information Display Symposium.
Organizer and Chair of the First Display Manufacturing Technology Conference San Francisco, January 1994.

PATENTS ISSUED

3,740,607; 3,749,961; 3,893,157; 3,980,919; 4,110,749; 4,207,492; 4,328,466;
5,578,901; 6,800,877; 6,801,002; 7,064,500; 8,459,855; 8,963,895; 9,146,419;
10,620,463; 11,204,516.

PUBLICATIONS

Over 100 publications in major technical journals and conference proceedings (Complete listing available on request.)

A monthly column "The Display Continuum" appeared in Information Display Magazine from 1993 to 2003 on various topics of interest to the display community, currently available on-line at "displayconsulting.com".

Invited seminar presentation at the Society for Information Display Symposium on the "Display Marketplace in the Next Decade."

Multiple presentations of one and two-day courses on current and future display technologies.

Custom Integrated Circuits Conference keynote presentation on "Custom Integrated Circuits: The Challenge of Customer Service in a Changing High-Technology Environment."

REFERENCES

Available on Request.

ARIS SILZARS, PhD -- Expert Witness Work as of March 2023

Past cases that have included depositions and/or trial testimony.

IMT, Inc. and MTI Inc. vs. Haynes & Boone LLP
Case No. 98-10075-b
County Court at Law
Number 2 of Dallas County, Texas

Competitive Technologies Inc. et al. vs. Fujitsu Limited et al.
No. C02-1673 JCS
United States District Court
Northern District of California

Sharp Corporation vs. AU Optronics Corporation
Civil Action No. C03-04244 MMC
United States District Court
Northern District of California

Richard J. Ditzic vs. Dell Inc. et al.
CA No. 03-74043
United States District Court
Eastern District of Michigan, Southern Division

Samsung SDI Co., Ltd. vs. Matsushita Electric Industrial Co., Ltd.
Civil Action No. 05-1680-DWA
United States District Court
Western District of Pennsylvania

Samsung SDI Co., Ltd. vs. Matsushita Electric Industrial Co., Ltd.
Case No. CV 05-8493 AG (SHx)
United States District Court
Central District of California, Southern Division

Sharp Corporation vs. Samsung Electronics Corporation
Investigation No. 337-TA-631
United States International Trade Commission
Washington DC

Sharp Corporation vs. Samsung Electronics Corporation
Investigation No. 337-TA-634
United States International Trade Commission
Washington DC

AU Optronics Corporation vs. LG Display Co., Ltd.
Civil Action No. 06-726 (JJF)
United States District Court
District of Delaware

Monolithic Power Systems Inc. and ASUSTek vs. O2 Micro International, Ltd.
Investigation No. 337-TA-666
United States International Trade Commission
Washington DC

AmTran Technology Co. Ltd. vs. Funai Electric Co. Ltd.
Case. No. C 09-03645 JF (HRL)
United States District Court
Northern District of California, San Jose Division

Monolithic Power Systems Inc. vs. O2 Micro International, Ltd.
Case No. C 08-4567 CW
United States District Court
Northern District of California

ATI Inc. vs. Sharp Corporation
Civil Action No. 2:07-CV-468
United States District Court
Eastern District of Texas, Marshall Division

Semiconductor Energy Laboratory Co., Ltd. vs. Samsung Electronics Co. Ltd.
Civil Action No. 3:09-CV-00001-BBC
United States District Court
Western District of Wisconsin

Spring Design Inc. vs. Barnesandnoble.com LLC
Case No. 5:09-cv-05185-JW
United States District Court
Northern District of California, San Jose Division

Mondis Technology, LTD. vs. Hon Hai Precision Industry Co., LTD
Civil Action No. 2:07cv00565 (TJW-CE)
United States District Court
Eastern District of Texas, Marshall Division

Monolithic Power Systems, Inc. vs. Wei Chen
Case No. 110-cv-172961
Superior Court of California
County of Santa Clara

Samsung International, Inc. vs. United States of America
Court No. 1:10-cv-00015
United States Court of International Trade

Eastman Kodak Company vs. AU Optronics Corporation of America, Inc.
Case No. 3:10-CV-05452-SI
United States District Court
Northern District of California

Industrial Technology Research Institute (ITRI) vs. LG Corporation
Investigation No. 337-TA-805
United States International Trade Commission
Washington DC

Hennigan et al. vs. General Electric Company
Case No. 2:09-cv-11912VAR-MJH
United States District Court
Eastern District of Michigan – Southern Division

Eidos Display, LLC., et al., vs. AU Optronics Corp., et al.
Case No. 6:11-CV-201-LED-JDL
United States District Court
Eastern District of Texas – Tyler Division

Certain Optical Disc Drives, Components Thereof, and Products Containing the Same.
Investigation No. 337-TA-897
United States International Trade Commission
Washington DC

Hitachi Maxell, LTD. vs. Top Victory Electronics Co., LTD, et al.
Case No. 2:14-cv-01121-JRG
United States District Court
Eastern District of Texas – Marshall Division

Toshiba Corporation and Samsung Display Co., LTD. vs. Gold Charm Limited
Case IPR2015-01497 – Patent 5,790,092
United States Patent and Trademark Office
Patent Trial and Appeal Board

Toshiba Corporation and Samsung Display Co., LTD. vs. Gold Charm Limited
Case IPR2016-00462 – Patent 6,456,352
United States Patent and Trademark Office
Patent Trial and Appeal Board

Toshiba Corporation and Samsung Display Co., LTD. vs. Gold Charm Limited
Case IPR2015-01525 – Patent 6,816,213
United States Patent and Trademark Office
Patent Trial and Appeal Board

Manufacturing Resource International, Inc. vs. CIVIQ Smartscales, LLC, et.al.
Civil Action No. 1:17 – cv – 00269 (RGA)
United States District Court
District of Delaware

Vista Peak Ventures LLC vs. AU Optronics Corp.
Case No. 2:18-cv-00276-JRG
United States District Court
Eastern District of Texas – Marshall Division

Vista Peak Ventures LLC vs. Truly International Holdings & Hannstar Display Corporation
Cases No. 2:20-cv-00250-JRG and 2:20-00254-JRG.
United States District Court
Eastern District of Texas – Marshall Division

Japan Display Inc. Panasonic Liquid Crystal Display Co., LTD. vs. Tianma
Microelectronics Co. LTD.
Case No. 2:20-cv-00283-JRG
United States District Court
Eastern District of Texas – Marshall Division

Nanoco Technologies LTD. vs. Samsung Electronics Co., LTD
Civil Action No. 2:20-cv-00038-JRG
United States District Court
Eastern District of Texas – Marshall Division

Jeffrey Koenig et al. vs. Vizio, Inc.
Case No. BC702266
Superior Court in the State of California
County of Los Angeles