

Herzel Laor- Resume

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Skip-Motor@Gmail.com

Employment history:

2018- Skip Motor. **Manager.**

Invented and patented the Skip Motor technology

2000-2017 FiberID llc. **Manager.**

Founded the company and developed the FiberID™ technology. The patent was sold in auction in 2017.

1997-2000 Self employed. **Consultant.**

Secured license agreement and consulting agreement with LightPath Technologies, Inc. This work is done in parallel with the consulting work at Laor Technology Holdings LLC.

1997-2000 Laor Technology Holdings LLC. **Manager.**

Founded LTH as a holding company for patents and technology. Secured license agreements and consulting agreements with Astarte Fiber Networks, Inc. and Texas Instruments, Inc. For TI, invented MEMS optical mirror with 3x4 mm² aperture and magnetically actuated. For Astarte, designed large (500x500) SM fiber Optical Cross Connect (OXC).

1990-1997 Astarte Fiber Networks, Inc., Boulder, Colorado. **Founder, President and Chief Technology Officer.**

Led a design team that developed three different products, including the most advanced fiber optics switching matrix, model 7200. Products have been sold to the White House, US Navy, NASA, AT&T, Sprint, MCI, Worldcom, Boeing, Lockheed-Martin, and many smaller organizations.

The 7200 integrates optical fibers, light sources and detectors, lenses, mirrors, optical filters, piezo-electric actuators, electronics, servo control and human interface. It encompasses 144 fibers, 144 lenses, ~20,000 electronic parts and complex mechanics which includes 18 modular units. Under my leadership, the 7200 was designed, built and shipped in eight months by a team of 17 engineers and technicians. It won the Communications News "1995 Users' Choice Award" in the Fiber Optics category.

In addition to leading the design team, I designed printed circuit boards, boards of up to 1,000 components, six layers, and of 10"x14" size.

1995 Communications News Users' Choice Award was given to Astarte Fiber Networks, Inc. for Model 7200 Photonic Switch invented and developed by Herzel Laor.

1988-1990 Time Warner Cable, Denver, Colorado. **Consultant.**

Designed fiber optic networks for delivery of cable TV signals. Was involved in the first field transmission of cable TV signals over optical fibers. Later designed the architecture that today is in use by all cable TV companies. When this architecture was first used, it produced savings of \$1 million, or 5%, when applied in a town of several thousand subscribers.

1988 Moved to the USA to pursue my interests in fiber optic switching.

1985-1988 Shuval International BV, Rotterdam, The Netherlands. **Founder and General Manager.**

1980-1988 Shuval Optronics Ltd., Rehovot, Israel. **Founder and General Manager.**

1978-1988 Rehovot, Israel. **Independent Consultant.**

1976-1988 Technical Command, Israel Air Force. **Captain.**

1973-1976 Rehovot Instruments, Rehovot, Israel. **Physicist.**

1972-1973 Tel Aviv University, Tel Aviv, Israel. **Laboratory Technician.**

1970-1976 Israel Ordnance Force, Reserve. Master Sargent, Sargent Major. since 1974 -
Lieutenant.

Business:

2017 The Fiber ID patent was sold in an auction.
10/2000 Astarte Fiber Networks, Inc. was merged with Tellium, Inc., at valuation to Astarte at over \$250 Million. IP owned by Astarte and invented by Herzel Laor was quoted by Tellium as the main value of Astarte.
10/2000 Patent licensed to Corning Inc.
6/2000 Patents licensed to MRV Communications.
12/1998 Patents Licensed to LightPath Technologies.
6/1998 Patents Licensed to Texas Instruments.

Education:

1980-1983 MBA Program, Tel Aviv University. Several MBA classes.
1974-1976 The Weizman Institute Graduate School, Rehovot, Israel. Several classes.
1970-1974 Tel Aviv University. B.Sc. in Physics.

Publications:

Please see list in a separate page.

Patents:

Please see list in a separate page.