Dr. Abraham A. Dauhajre

President & CEO June 2017 to Present
Kynetika, Inc.

Founder & President of Kynetika, Inc. A high-tech company based in Silicon Valley, CA.
Kynetika's main mission is the development of novel systems for medical applications.

Chairman & Founder October 2014 to Present
Fundación para el Desarrollo de las Ciencias y la Tecnología, Inc.
FUNDECITEC, Dominican Republic
Our Mission: *To Inspire our Future Generations of Technological Leaders*

President & CEO June 2010 to Present
DS Design Studio, S.R.L.

Founder & President of DS Design Studio, S.R.L. the parent company for the Kohler Showroom and distribution center in the Dominican Republic.

President & CEO January 1993 to Present
Global Sales & Services, Inc.

Founder & President of Global Sales & Services, Inc., a company that provides value added engineering services, including; design, logistics, purchasing & support to engineering firms, resorts, builders and contractors, in the Caribbean. The company operates mostly in the building materials segments. Other commercial products and services are also represented.
In addition, Dr. Dauhajre serves as an advisor to government agencies in the Caribbean, on issues related to Electric Power Generation, Transmission, and Distribution.

President & CEO August 1990 to Dec. 1998
The Power Group Corp.

Founder & President of The Power Group corp., a firm specializing in the design & development of advanced electronic power conversion equipment for computers & telecommunication applications.
The Power Group licensed its family of products to companies with manufacturing facilities in the U.S. and abroad.
Dr. Dauhajre served as a consultant to these companies, providing all levels of technical and product scheduling support.

Vice President, Engineering and R&D August 1987 to August 1990
Deltron Inc., North Wales, PA.

Vice President of Engineering and R&D. Managed engineering department of approximately 20 engineers and technicians.
At Deltron lead the development teams for Deltron's newest and most advanced product lines. A high density 100W to 250W dc-to-dc converter series, and later a 400W to 750W high density, modular off-line switcher series (Deltron's Moduflex M series). For both of these lines, also served as the main architect for the electrical and mechanical designs.

Staff Engineer May 1986 to August 1987
EG&G Almond Instruments, Covina, CA.

As Staff Engineer managed several R&D projects such as the development of various hybrid microcircuits for both signal and advanced power applications in military and space-based power conversion equipment.
Co-developed a multiphase transformer, which can meet extremely low current harmonic distortions for military naval applicatons. A patent was issued for this invention.
Served in an advisory/support position to the design teams of several military power conversion systems such as the **U.S. Navy Standard Power Supply Program (SPSP).**

EDUCATION

Ph.D., Electrical Engineering — April 1986
California Institute of Technology, **Caltech** Power Electronics Group.
Pasadena, CA.

M.S., Electrical Engineering — June 1982
California Institute of Technology, **Caltech** Power Electronics Group.
Pasadena, CA.

B.S., Electrical Engineering — June 1981
Magna-Cum-Laude
University of Puerto Rico, Mayaguez, Puerto Rico.

HONORS AND AWARDS

- Graduate Scholarships from the California Institute of Technology, Pasadena, 1982 to 1986.
- Undergraduate Scholarships from the University of Puerto Rico, Mayaguez, 1979 to 1981.
- George Simon Ohm Award; Best Student in Electrical Engineering,
  Graduating Class of 1981, University of Puerto Rico, Mayaguez, Puerto Rico.
- Fifth Degree Black Belt, Tae Kwon Do, Kukkiwon World TKD Headquarters-Korea
  Master Level Instructor

"***FIRST***: **For Inspiration and Recognition of Science & Technology**"

Lead Mentor and FRC Team Founder since 2000, Florida and Dominican Rep
FRC Team 710, 2004 Imagery Award, Orlando Regional
FRC Team 710, 2005 Johnson & Johnson Sportsmanship Award, Orlando Reg.
FRC Team 710, 2006 Motorola Quality Award, Orlando Regional
FRC Team 4091, 2013 Engineering Inspiration Award, Orlando Regional
FRC Team 4707, 2013 Rookie Inspiration Award, South FL Regional
FRC Team 4707, 2014 Engineering Inspiration Award, Orlando Regional
FRC Team 4707, 2015 Entrepreneurship Award, Atlanta Regional
FRC 2015 Woodie Flowers Finalist Award, Atlanta Regional
FRC Team 4091, 2017 Chairman's Award, Hudson Valley Regional
FRC Team 4091, 2018 Chairman's Award, Silicon Valley Regional
FRC Team 4707, 2019 Chairman's Award, South Florida Regional
FRC Team 7717, 2019 Rookie Inspiration Award, South FL Regional
FRC Team 4707, 2023 Winning Alliance, Tallahassee FL Regional
FLL Operational Partner, Dominican Republic, since 2014
Premio Brugal Cree En Su Gente – Educación – 2019

MEMBERSHIPS & AFFILIATIONS

Life Member, IEEE Institute of Electrical and Electronics Engineers

SELECTED PUBLICATIONS

"Modelling and Estimation of Leakage Phenomena in Magnetic Circuits."
Ph.D. Thesis, California Institute of Technology, Pasadena, CA. April, 1986.

"Modelling and Estimation of Leakage Phenomena in Magnetic Circuits."
(with Dr. R. D. Middlebrook). Proceedings of IEEE Power Electronics Specialists Conference, PESC 1986, Vancouver, Canada, June, 1986.

"Simple PWM-FM Control for an Independently-Regulated Dual Output Converter." (with Dr. R. D. Middlebrook). Proceedings of POWERCON 10, The Tenth International Solid-State Power Electronics Conference, March 1983.

PATENT: "Multiphase Low Harmonic Distortion Transformer"
Patent Number: 4,779,181, Oct. 18, 1988.

PATENT: "Vibration Suppression Apparatus"
Patent Number: 11,420,013, Aug. 23, 2022