

# ALEXANDER KANELLAKOS

Huntington Beach, CA

## OBJECTIVE SUMMARY

Seeking a job as Executive Director where I can use my techniques and experience to help the company achieve its goal of excellence in the field. Provide leading edge solutions to enhance across the board new product sales performance metrics for the company, maximizing total profit & equity.

## PROFESSIONAL EXPERIENCE

**SPARTAN METALLURGICAL COMPANY**

Huntington Beach, CA

***Program Consultant***

NOV 2010 – DEC 2022

Engineering Technical Leader and Director for the United States Government:

- NASA and the USAF AFSPC Space System Safety Director (acting) in charge of satellite contractors and customer satisfaction on Launch Facility and DOD Satellite Programs > **\$ 12 B +**
- Analyze and test MILSATCOM and Space Systems Safety Systems for EMP Vulnerability
- Create and Review Operational Safety, Systems Test, and adjudicate comments
- Aviation Electro-Mechanical Design, Risk Analysis, Test, and Data Reporting
- NAVAIR Aviation EMI / EMC Test and Flight Worthiness Safety Leadership
- Author Microwave Test and Integration Reporting and Communications
- Component Verification, Failure Analysis and Risk Mitigation at all levels
- Safety Oversight of RF Systems Test and Precision Sensors for Satellites
- Develop Lower Rocket Launch Cost and Improve Reliability at VAFB
- Authoring Strong Proposals and Mission Statements for Customers
- Acoustic Open Box Loudspeaker Design, Assembly and Test

***Lead Technical Engineer***

Palo Alto, CA

Engineering Program Manager Liaison

JAN 2000 – NOV 2010

- Competitive Technical Evaluation Support for Department of Defense (DoD) Contract wins > **\$ 50 B +**
- Bid and Proposal work to DoD resulting in dramatic company turnaround and new commercial aerospace businesses with Orbital Sciences Corporation igniting contract awards > **\$ 90 B +**
- Report and Test Flight Pedestal LRUs for NAVAIR Carrier-Capable Tactical AEW Aircraft
- Able to Obtain U.S. Government Security Clearance (DOD SECRET EXPIRED)
- Evaluating Attenuation of Transmitted and Received RF /  $\mu$ -wave Signals
- NASA Orbiter and ISS SSB RP Lead Systems Simulation and Engineering
- Mixed Signal Systems Engineering Power Design of Electronic Amplifiers
- Develop NASA ISS SSB RP Architectural Systems Engineering Design
- DoD Aviation System Subject Matter Expert Evaluations
- Manage Enhancement of DoD Architecture Framework
- Aerospace C4ISR Systems Engineering

**APOLLO PRODUCTIONS & AAR DIGITAL LLC**

Huntington Beach, CA

***General Partner***

JUN 2010 – JAN 2020

Engineering Executive and Producer for the State of California:

- Utilize social transformation and communications of information for California High Speed Rail Project; including DVD Data Delivery to Legislators for Timely Major Contract Award > **\$ 80 B +**
- Recruitment of Management and Professional Crew and Acting Talent
- Motion Picture Publicity, Production and Distribution
- High Speed Rail Contract Educational Outreach Work

***Executive Consultant***

Mountain View, CA

Engineering Management and Consultation

JAN 1999 – JUN 2010

- Demonstrated Expertise across Scientific, Marketing and Government Contractual Processes
- Extensive Experience with EMI / EMC Antenna Test Labs and Precision Robotic Positioning Systems
- Developing Systems Architecture Operations Architectural Design for Data Control and Communications

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## TOP ASSIGNMENTS

**ORBITAL SCIENCES CORPORATION**

Mountain View, CA

***Lead Systems Engineer***

Program Management Consulting to NASA Ames Research Center, Orbital Sciences Corp. and Lockheed Martin

**KALMAN AND COMPANY, INC.**

El Segundo, CA

***Senior Space Systems Safety Engineering***

Program Management to the DoD AFSPC Space Systems Safety Directorate at LAAFB supporting VAFB Launches

**VOLT TECHNICAL RESOURCES, INC.**

Orange, CA

***Lead Test Engineer (EMI)***

Program Management to Rockwell Collins, Inc. and NAVAIR for Tactical Airborne Early Warning Aircraft Controls

**SCIENCE APPLICATION INTERNATIONAL CORPORATION**

Huntington Beach, CA

***Lead Senior Systems Engineer***

Program Management Consulting and Liaison to Boeing Company and TACOM for Systems of Systems

**SPACE SYSTEMS / LORAL**

Palo Alto, CA

***Procurement Quality Engineer***

Commercial and US Government Communications and Surveillance Satellite Systems Materials and Processes Procurement for Manufacturing Processes and Hybrid Electronics / Solar Array Quality Engineering

## EDUCATION

**San Jose State University**

Materials Science and Engineering (B.S.)

## CERTIFICATIONS

**Stanford University**

Management Science and Engineering (N.D.O.)

**System Safety Certificate**

University of Southern California Viterbi School of Engineering - License 018

**Programmatic Environmental, Safety and Occupational Health (ESOH) Evaluation (PESHE)**

U.S. Air Force Space Command (AFSPC)

**C4ISR Principals, Requirements, and Systems**

John Hopkins University Organizational Effectiveness Institute

**Fundamentals of Systems Acquisition Management**

Department of Defense Acquisition University

## TALENT HIGHLIGHTS

SYSTEMS ENGINEERING

AEROSPACE / AVIATION

SYSTEMS EMI / RFI TESTING

NUCLEAR SURVIVABILITY

EMP SYSTEM MITIGATION

DOD LIASON AGENT

VERIFICATION AND VALIDATION

MILITARY DOD OPERATIONS

SYSTEMS INTEGRATION

CUSTOM SUPERALLOYS

RADIATION HARDENING

MATERIALS ENGINEERING RISK

MANAGEMENT

SPACE SYSTEM SAFETY

INSTRUMENT EMI SHIELDING

DOD PROGRAM MANAGEMENT

MECHANICAL DESIGN

ANECHOIC EMI/EMC TESTS

DATA REDUCTION / BACK-UP

MICROSOFT OFFICE PROFICIENT