

ALEXANDER KANELLAKOS

Huntington Beach, CA 92648

OBJECTIVE SUMMARY

Seeking a job as Systems Engineer where I can use my technical and managerial 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, profit-maximizing equity.

PROFESSIONAL EXPERIENCE

SPARTAN METALLURGICAL COMPANY

Huntington Beach, CA

Program Manager

NOV 2010 – PRESENT

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 / μ -wave Signals
- NASA Orbiter and ISS SSBRP Lead Systems Simulation and Engineering
- Mixed Signal Systems Engineering Power Design of Electronic Amplifiers
- Develop NASA ISS SSBRP 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

REQUIREMENTS (DOORS)

RADIATION HARDENING

MATERIALS NENGINEERING

RISK MANAGEMENT

SPACE SYSTEM SAFETY

INSTRUMENT EMI SHIELDING

DOD PROGRAM MANAGEMENT

MECHANICAL DESIGN

ANECHOIC EMI/EMC TESTS

DATA REDUCTION / BACK-UP

MICROSOFT OFFICE PROFICIENT