



# ALEXANDER KANELLAKOS

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## OBJECTIVE

Seeking a job as an Top Consultant or Contract Systems Engineer where I can use my extensive experience to help clients meet goals of excellence in their field(s). Understanding customer needs, translating them into requirements, formulating technical, timely, and affordable modern solutions.

## WORK 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 Aerospace Sensors and Microwave Systems Safety for EMP Vulnerability
- Create and Manage Operational Plans, Budgets, and Advise Contract Awards
- Safety Oversight of RF Systems Test and System Safety Plans for Satellites
- NAVAIR Aviation EMI / EMC Test and Flight Worthiness Safety Leadership
- Ground Based Anechoic Microwave Antenna and Radome Report Reviews
- Develop Lower Rocket Launch Cost and Improve Reliability at VAFB
- Authoring Strong Proposals and Mission Statements for Customers
- Component Verification, Failure Analysis and Risk Mitigation
- Programmatic Environmental Safety and Health (PESHE)

#### 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 market cap net worth > **\$ 4.4 B +**
- Report and Test Flight Pedestal LRUs for NAVAIR Carrier-Capable Tactical AEW Aircraft
- Able to Quickly Obtain DOD U.S. Government INTERIM SECRET Clearance
- Evaluating Attenuation of Transmitted and Received EM  $\mu$ -wave Signals
- NASA Orbiter and ISS SSB RP Lead Systems Simulation and Engineering
- Develop NASA ISS SSB RP Architectural Systems Engineering Design
- DoD Aviation System Subject Matter Expert Evaluations
- Manage Enhancement of DoD Architecture Framework
- Familiarity of Gregorian and Cassegrain Telescopes
- Aerospace Cybernetic Systems Engineering

### **APOLLO PRODUCTIONS & AAR DIGITAL LLC**

Huntington Beach, CA

#### General Partner (Contract)

JUN 2010 – JAN 2020

Engineering Executive and Producer for the State of California:

- Utilize social transformation and educational information materials for California High Speed Rail Project; including DVD Data Delivery to Legislators for Timely Major Contract Award > **\$ 12B +**
- Recruitment of Management and Professional Crew and Acting Talent
- Motion Picture Publicity, Production and Distribution
- High Speed Rail Contract Educational Outreach Work

#### Executive Consultant (Contract)

Mountain View, CA

Engineering Management and Consultation

JAN 1999 – JUN 2010

- Developing Cybernetic Operations Architectural Design for Data Control and Transmission using NASA Satellite Data Transfer via Tracking and Data Relay Satellite Systems
- Demonstrated Expertise across Scientific, Marketing and Government Contractual Processes
- Extensive Experience with EMI / EMC Antenna Test Labs and Robotic Positioning Systems

## TOP CONTRACT 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 Consulting to the DoD AFSPC Space Systems Safety Directorate at LAAFB

### **VOLT TECHNICAL RESOURCES, INC.**

Orange, CA

#### Lead Test Engineer (EMI)

Program Management Consulting to Rockwell Collins, Inc. and NAVAIR

### **SCIENCE APPLICATION INTERNATIONAL CORPORATION**

Huntington Beach, CA

#### Lead Senior Systems Engineer

Program Management Consulting and Liaison to Boeing Company and TACOM

### **SPACE SYSTEMS / LORAL**

Palo Alto, CA

#### Procurement Quality Engineer

Commercial and US Government Satellite Systems Materials and Processes Procurement

## EDUCATION

### **San Jose State University**

Materials Science and Engineering (B.S.)

## CLASSES AND 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 OPERATIONS

SYSTEMS INTEGRATION

EOS FAILURE ANALYSIS

RADIATION HARDENING

MATERIALS NENGINEERING

RISK MANAGEMENT

SPACE SYSTEM SAFETY

INSTRUMENT EMI SHIELDING

DOD PROGRAM MANAGEMENT

MECHANICAL DESIGN

SOFTWARE ANALYSIS

DATA REDUCTION / BACK-UP

MICROSOFT OFFICE PROFICIENT