

ALEXANDER KANELAKOS

OBJECTIVE SUMMARY

Seeking a job as Sr Space Systems Safety Engineer where I can use top techniques and experience to help the company achieve its goal of systems excellence in the field. Provide leading edge solutions to enhance across the board product performance metrics for Private, State or Federal Contractors.

SKILLSET

SYSTEMS ENGINEERING	AEROSPACE / AVIATION	SYSTEMS EMI / RFI TESTING	NUCLEAR SURVIVABILITY EMP
ANOMALY 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

PROFESSIONAL EXPERIENCE

SPARTAN METALLURGICAL COMPANY

HUNTINGTON BEACH, CA

Senior Systems Engineer

NOV 2010 – PRESENT

Engineering Technical Planner and Systems Integrator for the United States Government:

Working on safety and risk analysis, report generation and scheduling of NASA and USAF AFSPC Space, Sophisticated Defense, Aerospace, Spacecraft on Multi-Mission Department of Defense (DoD) Aerospace Convert Client Product Requirements into Systems of Systems Solutions to meet Technical, Schedule & Cost Review, Schedule and Test MILSATCOM Space Systems Safety Systems for EMP / RFI / EMI Vulnerability Create and Review Operational Safety, Systems Test, and Adjudicate Comments / Mitigating Actions Aviation Electro-Mechanical Design, Risk Analysis, Test, and Data Capture / Analysis for Final Deliverables NAVAIR Aviation Environmental, Mechanical, EMI / EMC, Test and Flight Worthiness Program Execution Concept, Design, Manufacturing, Systems Test, Training, Reliability and Maintenance to End of Life Component Verification, Failure Analysis and Risk Mitigation at all levels from Launch to De-Orbit Safety Oversight of RF Systems Test and Precision Sensors for Satellites, Launch Vehicles and Facilities Develop Lower Rocket Launch Cost and Improve Reliability at VAFB > \$ 60 B +

Lead Technical Engineer

PALO ALTO, CA

Senior Systems Test Engineer

JAN 2000 – NOV 2010

Competitive Technical Evaluation Support for DOD Contract wins > \$ 500 B ++
ARTEMIS Spacecraft Aerospace Crew Escape, Propulsion Evaluation, and C5ISR Engineering Evaluation Bid and Proposal work to DoD resulting in dramatic company turnaround and new commercial aerospace businesses with Orbital Sciences Corporation igniting contract awards and mergers / acquisition > \$ 9.1 B
Report and Test Flight Pedestal LRUs for NAVAIR Carrier-Capable Tactical AEW Aircraft
Author Technical Specifications for Test and Space Systems Safety Engineering based on Requirements NASA Orbiter Space Station Biological Research Program (SSBRP) Lead Systems Simulation Engineering Develop NASA SSBRP Architectural Systems Engineering Design for International Space Station (ISS)
DoD Aviation System Subject Matter Expert Evaluations, Trade Studies, Functional Analytics, & Mitigations

APOLLO PRODUCTIONS & AARDIGITAL LLC

HUNTINGTON BEACH, CA

Engineering Executive

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, Educational Outreach Work

Executive Consultant

MOUNTAIN VIEW, CA

Engineering Management and Consultant

JAN 1999 – JUN 2010

Demonstrated Expertise across Scientific, Marketing and Government Contractual Processes
Developing Systems Architecture Operations Architectural Design for Data Control and Communications

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TOP ASSIGNMENTS

(DOD SECRET EXPIRED)

ORBITAL SCIENCES CORPORATION

MOUNTAIN VIEW, CA

Lead Systems Engineer

SEP 2000 - NOV 2003

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

NOV 2007 – SEP 2009

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)

JAN 2007 - NOV 2007

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

JUN 2004 - APR 2006

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

SPACE SYSTEMS / LORAL FAIRCHILD

PALO ALTO / MILPITAS, CA

Procurement Quality Engineer

JUN 1987 - AUG 1997

Commercial and US Government Communications and Surveillance Satellite Systems Materials and Processes

Procurement for Manufacturing Processes and Hybrid Assemblies / Solar Array Quality / Hydrogen Battery Test

EDUCATION

San Jose State University

Materials Science and Engineering (B.S.)

CERTIFICATIONS

Stanford University (2003)

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

System Safety Certificate (2007)

University of Southern California Viterbi School of Engineering - License 018 (2008)

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

U.S. Air Force Space Command (AFSPC)

C4ISR Principals, Requirements, and Systems (2009)

John Hopkins University Organizational Effectiveness Institute

Fundamentals of Systems Acquisition Management (2009)

Department of Defense Acquisition University

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