

Scott Andrews

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Petaluma, CA

Summary

Creative, energetic, and innovative internationally recognized executive experienced in general management, systems engineering, advanced product development, advanced technology, business development, strategic planning, and program management

- Vehicle Electrical/Electronics Systems
- Vehicle Information Systems
- Communications Systems
- ITS and Related Industries
- Program and Project Management
- Enterprise Software
- Multimedia/Internet Computing
- Vehicle Safety and Control Systems
- Spacecraft Electronics
- Mobile Information Technology

Experience

12/2001-Present Consultant

Systems engineering, business development and technical strategy consulting supporting automotive and information technology.

Current Engagements:

- Technical consultant to Booz Allen for connected vehicle performance measures development project for the U.S. DOT National Highway Traffic Safety Admin. (NHTSA)
- Technical consultant to Booz Allen for connected vehicle standards and the Connected Vehicle Reference Implementation Architecture (CVRIA) for U.S. DOT Research and Innovative Technologies Admin. (RITA)
- Technical consultant to ARINC for connected vehicle application systems engineering and development of high precision connected vehicle test bed for U.S. DOT Federal Highway Admin. (FHWA)
- Expert witness for:
 - ATT in a case brought by Vehicle IP relating to cell phone navigation systems
 - VW/Audi in a case brought by Paice, relating to traffic information systems
 - VW/Audi in a case brought Blitzsafe relating to mobile device integration and mobile audio systems
 - LA Metropolitan Transportation Commission (LAMTC) in a patent case brought by Transport Technologies relating to occupant sensing and tolling

Prior Engagements/Projects:

- Patent portfolio analysis for a fortune 500 communications devices company. Provided detailed assessment and ranking of large patent portfolio; provided secondary analysis of selected patents in specifically identified markets and produced a cross reference between selected patents and available products in that market.
- Designed novel super capacitor based high performance hybrid vehicle as part of a startup company; Developed performance requirements, conceptual designs and patented integrated electrical system architecture concept.

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- Technical consultant to American Association of State Highway Transportation Officials (AASHTO) for connected vehicle deployment analysis and strategy
- Technical consultant to Michigan State DOT (Enterprise Pooled Fund) to develop a system architecture and deployment strategy for Rural ITS
- Co-Principal investigator for Integrated Advanced Transportation System; A 30+ year future technical feasibility assessment and strategy for U.S. DOT Federal Highway Admin. (FHWA)
- Chief System Architect for the Vehicle Infrastructure Integration (VIIC) program (BMW, Chrysler, Daimler Benz, Ford, GM, Honda, Nissan, Toyota, VW); A connected vehicle research program funded by U.S. DOT FHWA
- Telematics delivery architecture development for a Fortune 100 service provider
- Technical consultant to the Vehicle Safety Consortium developing Dedicated Short Range Communications (DSRC) standards for safety systems;
- Toyota Motor Sales – 10 year technology survey;
- Connected Vehicle Trade Association- Transferred AMI-C specifications to ISO TC 22, TC 204 AND OSGi. Developed OSGi Vehicle Interface Specification;
- Thales-Magellan – Personal navigation device product feature and opportunity analysis
- Rand McNally – navigation device product feature and opportunity analysis
- Expert witness for:
 - Apple Computer in a case brought by Porto relating to cell phone navigation systems
 - Mercedes in a case brought by Adaptive Headlamp Technologies relating to adaptive headlamps
 - Liberty Mutual, Geico and Hartford in a patent case brought by Progressive Insurance relating to usage based insurance systems
 - Toyota in a case brought by American Vehicular Sciences (AVS) relating to occupant sensing systems
 - Lenovo and Amazon in a case brought by Pragmatus relating to device tracking
 - Ford in a patent case brought by Eagle Harbor Holdings relating to Bluetooth systems and mobile device integration in the vehicle
 - Bentley in a case brought by Cruise Control Technologies relating to adaptive cruise control
 - Google in a case brought by Walker Digital relating to 3D navigation displays
 - Volkswagen/Sirius-XM in patent infringement case relating to traffic information systems
 - Volkswagen, Ford and GM in patent cases brought by Affinity Labs, relating to the iPod interface
 - Honda in a patent case brought by American Calcar, relating to telematics equipment and user interfaces
 - Alpine, Denso and Pioneer Corporation in an International Trade Commission patent case brought by Honeywell, related to navigation systems
 - BMW in a patent case brought by American Calcar, relating to telematics equipment and user interfaces

4/2000 to 12/2001 Cogenia, Inc.

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President and Chief Executive Officer, Founder

Founded company in 2000 to develop enterprise class data management software system. Responsibilities included development of business concept and plan, corporate administration including financial and legal management, leadership of executive team in product development, fundraising, business development, organizational development, and investor relations. Raised \$2.2M between 8/00 and 5/01 from individuals and funds;

1996 to 4/2000 Toyota Motor Corporation, Japan

Project General Manager, R&D Management Division

Responsibilities included the conceptualization and development of multimedia and new technology products and services for Toyota's future generations of passenger vehicles in the United States and Europe, Heavy emphasis on strategy for information systems, and on development of technical concepts for computing and Internet oriented systems. Supported technology acquisition for hybrid vehicle control systems; Working under direction of Toyota board members, established the Automotive Multimedia Interface Collaboration (AMI-C), a partnership of the world's car makers to develop a uniform computing architecture for vehicle multimedia systems, and led all early technical, planning and legal work. Past responsibilities included leading Toyota's US Automated Highway Systems program, management of technical contracts with Carnegie Mellon University Robotics Lab (Image based collision warning systems), and the development of Toyota's position on the US Intelligent Vehicle Initiative.

1983 to 1996 TRW, Inc.

Held a series of increasingly responsible positions in program management, technology development and business development.

1993 to 1996 TRW Automotive Electronics Group

Director, Advanced Product Planning/Development

Specific responsibilities included leadership and overall management of advanced development programs such as Automotive Radar, Adaptive Cruise Control, Occupant Sensing, In Vehicle Information Systems, and other emerging transportation products; Managed remotely located advanced development laboratory performing approximately \$6M in annual development projects.

1983 to 1993 TRW Space & Electronics Group

Manager, MMIC Products Organization

Developed TRW's commercial GaAs MMIC business. Responsibilities included development of business strategy and business plan, and overall management of customer and R&D programs. Developed extensive international business base and took operation from start-up to \$5M sales per year in under two years. Developed the first single chip 94 GHz Radar (Used for automotive cruise control and anti collision systems).

1979-1983 Teledyne Microwave

Developed high reliability microwave components. Developed CAD tools.

1977-1979 Ford Aerospace, Advanced Development Operation

Designed, tested and delivered microwave radar receiver systems

Education

MSEE Stanford University, 1982

BSEE University of CA, Irvine 1977

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