

Contact

www.linkedin.com/in/scott-andrews-4a48132 (LinkedIn)
www.cogenia.com (Company)

Top Skills

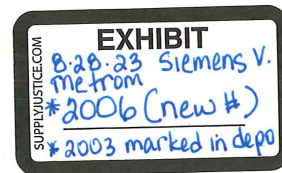
Business Development
Program Management
Integration

Languages

Japanese

Scott Andrews

Technical Partner, Cogenia Partners, LLC
Petaluma, California, United States



Summary

Mr. Andrews is currently Managing Partner of Cogenia Partners, LLC, a technical consulting firm providing systems engineering, technical expert and strategic analysis services to the automotive and mobile computing industries. He is currently engaged in a variety of technical programs to develop performance requirements, and precision testing systems for connected vehicle safety systems. He was formerly the Chief System Architect for the VII Consortium elements of the US DOT Vehicle Infrastructure Integration program, a large scale effort to apply modern computing and communications technologies to improve vehicle safety, transportation mobility, and driver convenience.

He was employed by Toyota Motor Corporation, working in Toyota's head office in Japan from 1996 to 2000. During this time he managed a variety of technical programs including US and European telematics and mayday programs, Machine vision programs, and the Automated Highway Systems project. He served on the IVI technical committee in its formative stages, and authored an extensive and well received response for the DOT's IVI request for Information. He was instrumental in the earliest formation activities of the Automotive Multimedia Interface collaboration (AMI-C) and provided technical leadership of the diverse membership prior to formal incorporation. Prior to joining Toyota, Mr. Andrews was the Director of Systems Engineering and Advanced Products at TRW Automotive Electronics Group where he was involved in a wide range of technology development projects including satellite communications systems, microwave components, and electro optical technologies.

Specialties: Systems Engineering
Automotive communications and consulting
Automotive systems
Expert Witness for Patent Litigation
Telematics
GPS and mobile positioning

Experience

Cogenia Partners, LLC

Technical Partner

January 2001 - Present (22 years 8 months)

Principal and technical partner specializing in systems engineering for advanced automotive safety and information systems.

Specific experience in large scale systems integration, vehicle systems, Dedicated Short Range Communications (DSRC), navigation, computing, OSGi, etc.

Provide systems requirements analysis using refined process based on elaborated use case development, aggregation and inversion.

Also provide expert testimony and intellectual property litigation consulting in the automotive and mobile infotainment areas.

- 12 years experience as technical expert and expert witness for patent litigation
- Supported over fifty U.S. patent cases
- U.S. District Court cases (11 depositions, 4 trials, 1 hearing)
- International Trade Commission cases (2 depositions, 2 trials, 1 tutorial)
- IPRs and Re-exams (7 depositions)
- Targeted prior art searching
- Extensive personal library of key references in navigation, telematics and intelligent transportation systems (ITS)
- Invalidity and non-infringement analysis and reports
- Validity, and infringement analysis and reports
- IPR declarations
- Support for claim construction, and motions for summary judgment

Key Practice Areas

- Automotive Electronics
- Automotive Control Systems and User Interface Technologies
- Personal Computing and Mobile Electronics
- Integration of Mobile Electronics and/or Personal Computing in Automobiles
- Location Based Services and Systems
- Navigation and Digital Maps
- GPS Technology
- Traffic Information Systems

- Communications Systems (802.11, DSRC, Satellite)
- Streaming Audio Technologies (e.g. SDARS)
- Hybrid Vehicle Technology
- Intelligent Transportation Systems (ITS)
- Connected Vehicles
- Electronic Toll Collection
- Collision Warning and Avoidance
- Automated Vehicle Technology
- Safety Systems

VII Consortium
System Architect
2005 - 2009 (4 years)

Developed systems requirements for the Vehicle Infrastructure Integration (VII) System, now known as IntelliDriveSM. Developed overall system architecture, and system requirements for large model deployment of system in Detroit area using 45 roadside units, and 25 equipped vehicles. Oversaw development of subsystems requirements, and application requirements, and led integration effort for vehicle system and overall vehicle/infrastructure integration. Also responsible for security subsystem integration including development of certificate based anonymous authentication system.

Cogenia Inc.
President and Chief Executive Officer, Founder
August 2000 - May 2001 (10 months)

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, fund raising, business development, organizational development, and investor relations. Raised \$2.2M in venture funding

Toyota Motor Corporation
Project General Manager, R&D Management Division
January 1996 - April 2000 (4 years 4 months)

Position was at Toyota Headquarters in Toyota City, Japan. 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.

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.

TRW Automotive Electronics Group

Director, Systems Eng, & Advanced Product Planning/Development
January 1993 - January 1996 (3 years 1 month)

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

TRW, Inc

Various

January 1983 - January 1996 (13 years 1 month)

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

MMIC Products Organization

Manager

January 1979 - January 1983 (4 years 1 month)

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; Developed high reliability microwave components. Developed CAD tools.

Ford Aerospace

Member Technical Staff

January 1977 - January 1979 (2 years 1 month)

Designed, tested and delivered microwave radar receiver systems

Education

Stanford University

MSEE, Electrical and Electronics Engineering · (1979 - 1982)

University of California, Irvine

BSEE, Electrical and Electronics Engineering · (1973 - 1977)