



## **John H. Robb**

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### **Self-Driving Cars - Are We On The Right Road?**

#### **Abstract:**

Self driving cars or as what is referred to technically as Level 5 Fully Autonomous Vehicles are a different beast than many other applications in existence. We have been employing techniques to safely deploy embedded computer technology in many industries such as aerospace, medical, nuclear, etc. The level 5 autonomous vehicle is a much grander step of embedded software in a safety critical role than has been attempted before. Dr Robb will address the overall approach being used currently and how it compares with the use of embedded software in aerospace safety critical application.

#### **Biography:**

Dr. Robb has 33 years of industry experience including 31 years with LM Aero. Between Aug 2004 to Feb 2010, he was the F-35 Air Vehicle Software Senior Manager of the F-35 aircraft software development, where he was responsible for coordinating the processes, tools, software quality assurance, and software quantitative management of all F-35 software development teams (peaking at about 1,200 software engineers).

Dr. Robb has an extensive background in Safety Critical Software development with over 34 years industry experience deploying error free software in the demanding aerospace software industry.

John is now full-time faculty at UTA teaching graduate classes in Software Testing, Advanced Software Testing and in Software Engineering.

John is a certified Project Management Professional, has the IEEE Professional Software Engineering Master Certification and a number of other certifications including ISTQB testing certifications.