

# International Summit on Industrial Engineering

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### **Development of helicopter-mounted mine detection system**

Land mines have been used extensively in worldwide conflicts for many years, and have killed and maimed untold number of warriors and civilians. These explosives remain buried long after the hostilities end and still wreak havoc on unsuspecting citizenry going about their normal lives. An international outcry regarding these dangers resulted in efforts to end their use and to rid known mined areas of these dangers. This presentation discusses the development of a mine detection system mounted aboard a helicopter and the statistical analyses involved in that effort.

### **Biography**

Jim Sellers is a Mechatronics Systems Engineering Consultant who is presently on retainer with Lone Star Aerospace in the Dallas, TX area. He has over thirty years of international experience in the aerospace, defense, SatCom, and power systems/electrical machinery sectors of industry. He earned BS and MS degrees from Auburn University, Auburn, Alabama. He is a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), a Member of the American Institute of Aeronautics and Astronautics (AIAA), and a Member of the Association for Unmanned Vehicle Systems International (AUVSI). In his spare time, he enjoys sports, outdoor activities, and volunteer work.

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