



## “Concept Development and Basic Fabrication Techniques”

Paul Evans & Glynn Bartlett

Paul Evans, director at Southwest Research Institute® (SwRI®), and Glynn Bartlett, staff engineer at SwRI, will be our speakers for April 2012 and will speak on practical ways to develop concepts and traditional machining and fabrication techniques. Their presentation will cover how computer aided design (CAD) can help with development of ideas and how no-cost CAD programs like Google Sketchup can be used for concept development. They will also show some examples of rendered animations that can be generated quickly from CAD models to convey concepts to potential investors, licensees and manufacturers. The follow-on topic will cover a range of machine shop tools, techniques and methods along with some examples of the types of parts that can be fabricated. Some of the tools covered will include drill press, mill, lathe, hand brake, sheer. Methods covered will include welding, bonding, vacuum/thermal forming and basic rubber mold making.

Mr. Evans' expertise includes mechanical system design, software design, programming, industrial off-the-shelf robotics, custom robotics and program management. Mr. Evans has become knowledgeable in many different design and manufacturing tools and processes as they apply to one-of-a-kind systems. Mr. Bartlett's expertise includes complete systems integration, mechanical design, process system controls and fluids engineering. Mr. Bartlett is knowledgeable in all aspects of the design process and has a working knowledge of the manufacturing processes necessary for development of components and products.

Also, please take this opportunity to pay your annual dues (\$25/\$95 Corporate), thanks!

**Wednesday, Apr. 11, 2012**

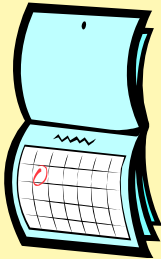
**5:30-6:30 Networking 6:30-8:00 PM - Presentation**

**San Antonio Technology Center**

**3463 Magic Drive**

(North of I-410 Between Callaghan and Fredericksburg Roads)

**Public Invited**



**Special Thanks For:**

**Refreshments Provided by Marx Design**

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