Puget Sound Chapter

November 2014 Newsletter

Our Tuesday November 11th Meeting will be at:

Fir Room at the Coast Bellevue Hotel, 625 116th Avenue NE
Bellevue, WA 98004

Materials Insertion on Aircraft

Rodney R. Boyer FASM
Retired Boeing Technical Fellow, Adjunct Professor Monash University

Abstract:

The design, manufacturing and service conditions must all be taken under critical consideration. This involves a wide range of engineering skills including metallurgy, materials science, composites, machining, thermomechanical processing, chemical milling/etching, forming, joining, and of course, design, which drives material requirements. Some materials are compatible and can be nested together; others require some type of barrier coating to prevent galvanic corrosion in the presence of moisture. The effect of materials used in the manufacture and operation of the aircraft on the environment is another closely monitored factor. The interaction of some of these factors will be discussed.

Bio:

Rod Boyer has specialized in titanium at The Boeing Company for over 40 years. He supported the 737, 747, 737, 767, 777, 787, B-2 and F-22 programs. He has been involved in basic research, development and application of titanium in the aerospace industry. He has performed studies on the full range of conventional alloys, from commercially pure to alpha to alpha/beta to beta-alloys, and done research on all product forms and almost all of the processing technologies used in the titanium industry. He has over 250 technical presentations and publications and has edited 4 books, including the ASM Titanium Alloys Materials Properties Handbook. He has made over 25 invited presentations at regional, national and international levels, including 4 plenary or keynote lectures at the national level and 7 at the international level.

Date: Tuesday, November 11th, 2012
Place: Fir Room at the Coast Bellevue Hotel, 625 116th Avenue NE Bellevue, WA 98004

Reservations: Please notify Mary Davis at Mary.Davis@crane-eg.com, or at 425-743-8327 (e-mail reservations preferred) by Friday, November 7, 2014
Dinner will be Buffet style with Roast Beef or Fish.
Price: $35 non-members + spouses, $30 members + spouses, $25 retired + spouses
$20 students

Time: 5:30PM Social Hour, 6:30PM Dinner, 7:30PM Program

Our October Meeting:

Evan Stark presented the topic

Microcracks in Fiber Reinforced (Polymeric and Ceramic Matrix) Composites

and was very well received. Dinner was buffet style and attacked in grand style.
Our Chair Frank Jones Presents thank you gift to our Speaker Evan Stark