Mr. Roger Jones, FASM
Trustee (2016-2019)

Roger A. Jones is Corporate President of Solar Atmospheres. He attended Hocking Technical College, then joined ABAR Corporation in 1975. At the founding of Vacuum Furnace Systems in 1978, Roger began working at the company along with his father, William R. Jones, FASM.

In 1983, Roger assisted the founding of Solar Atmospheres, Inc. as Vice President, moving up to Corporate President in 2001. Early on, he established Solar Atmospheres’ strategic management team. Today, Solar is the largest privately owned vacuum heat treating company in North America, with four heat treat facilities.

A member of the Metal Treating Institute since 1983, Roger served as Chair of the Atlantic Coast Chapter in 1994. He has been on the Program Committee since 1995 and is currently Co-chair. A member of the Board of Trustees since 1998, Roger was President of the Institute from 2004-2005. He was called back onto the board in 2009 for a third term.

Roger has chaired nine committees since becoming a member of ASM Philadelphia “Liberty Bell” Chapter in 1983. He became his company’s sustaining member representative in 1986. Roger was Philadelphia Chapter Chairman for 1993-1994. He instructed chapter-sponsored MEI courses and continues to support the local chapter, the backbone of ASM.

At the ASM International level, Roger served on and chaired numerous committees, including the Membership Committee (Chair 1996-1997). He chaired the Heat Treating Society (HTS) Immediate Needs Committee, as well as its Education Committee, and continues as a member. Roger served on the Nominating Committee for two separate terms. He is also a member of the HTS T&P Committee. In 2005, Roger was appointed to the HTS Board and continues to serve.

Roger received many local awards from the Philadelphia Chapter, and was the recipient of the William Hunt Eisenman Award in 2001 as well as the Distinguished Service Award in 2004. In 2009, he received the President’s Award. Awards from MTI include the President’s Award and the Program Service Award in 2002. He received the Distinguished Service Award in 2009 and The Award of Merit 2011. Roger has given talks and published various technical papers in Industrial Heating, Advanced Materials and Processes and Heat Treating Progress.

During Roger’s presidency at Solar Atmospheres, the company has received many awards. In 1997, Solar Atmospheres was honored by Industrial Heating and MTI as “Commercial Heat Treater of the Year - Master Craftsman Award.” Through Roger’s leadership and involvement in the ASM Philadelphia Chapter, Solar received the “Outstanding Company Support Award” in 1996 and again in 2006.
Abstract - Vacuum Furnaces were made for Additive Manufacturing

Mr. Roger Jones, FASM
CEO Emeritus
Solar Atmospheres
Souderton, PA

Abstract: Additive Manufacturing is rapidly becoming today’s buzz word. AM is rapidly replacing various manufacturing processes as its being accepted in various machining markets. The vacuum furnace plays a vital role in the proper heat treatment of AM parts. This presentation will review basic AM procedures, and the role that vacuum heat treating is utilized as a support function of the final product.
Abstract - Advances in High Pressure Gas Quenching within Vacuum Furnaces

Mr. Roger Jones, FASM
CEO Emeritus
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Abstract: Vacuum Furnace performance, depending on alloys being processed, requires enhanced quenching parameters. This presentation will review materials, and the ability to control distortion through adjustable and varied cooling methods. Discussions will revolve around high pressure gas quenching of alloy, tool steels, and bearing steels. Plus how high pressure gas quenching is utilized in vacuum carburizing cycles for specific results.
Abstract: This presentation will explore the development of the vacuum heat treating furnace. The exploration of early vacuum technology, and how the furnace had its early roots in the research and development laboratories. Plus its growth from R&D to the production realm, from captive aerospace development to commercial vacuum heat treating. Furnace evolutions from early on right up to modern day equipment will be reviewed.