

## **Abstract and brief bio for the ASM Saudi Chapter**

**Tuesday, April 22<sup>nd</sup>, 2008**

### **Center of Excellence for research in Engineering Materials CEREM**



#### **ABSTRACT**

This presentation is focusing on the newly established Center of Excellence for Research in Engineering Materials, *CEREM*, at College of Engineering, King Saud University. The center of excellence proposal aims at setting up a plan for structuring a center of excellence in materials science and engineering that will provide synergistic and interactive programs in research, industrial collaboration, information dissemination and technology transfer, and launch new initiatives to address the changing needs of our society. The center of excellence will explore not only methods of converting natural resources to useful materials, but also the scientific basis of designing and manufacturing novel materials. The Center of Excellence will support long-term materials research and development leading to potential breakthroughs in materials field. The center will support, promote, and develop the research capabilities and professional activities and offer assistance to the establishments and sectors which in need to the Center's experience, facilities and laboratories. The center will encourages interdisciplinary and multi-disciplinary environment that allows members to undertake materials research of a scope and complexity that would result in producing novel materials and new materials processing techniques. Also, it will supports collaboration between the scientist and researchers to work closely with industry, national labs, and academic institutions, allowing significant advances to be made in materials research, and improve the quality of lives. The center is primarily concerned and committed to accelerate transfer of technology and to educate young researchers to fulfill university, government, and industrial needs.

#### **SHORT BIO:**

*Abdulhakim Almajid* was born in Riyadh, Saudi Arabia. He received the BS degree in mechanical engineering from King Saud University in 1991, the MS degree in mechanical engineering from Washington University in St. Louis in 1995, and the PhD degree in mechanical engineering from the University of Washington in Seattle in 2002. Currently, he is the chairman of the Mechanical Engineering Department at King Saud University in Saudi Arabia and a deputy director of the Center of Excellence for Research in Engineering Materials (CEREM). His research lies in the area of materials engineering, smart materials and composites, design and processing of piezoelectric devices.