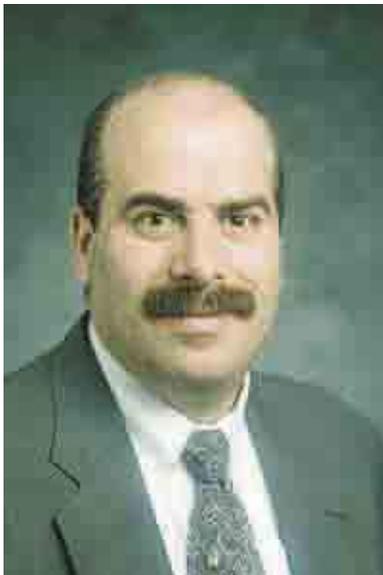


# Seminar Series features hydrogen fuel presentation



**Khaleel**

The Community Science and Technology Seminar Series event, “Hydrogen: The Fuel of the Future. Where Are We Now and Where Are We Going?” is scheduled at 7 p.m. on Oct. 15 at the Columbia Basin College Theatre.

The speaker is Moe A. Khaleel, a Laboratory Fellow at Pacific Northwest National Laboratory, who will address the relationship between increased global energy needs and opportunities to harness renewable resources. Khaleel also will talk about PNNL’s role in helping to develop a new energy system and a hydrogen-fueled economy; a path to a sustainable future that may demand the integration of fossil and non-fossil sources; and the President’s Hydrogen Fuel Initiative and FreedomCAR, a program that places emphasis on the transportation sector to develop efficient and cost-effective vehicles. The presentation is free and open to the public.

The 21st century will see a dramatic increase in global energy consumption, driven by rising standards of living and a growing world population. This increase will demand innovative scientific solutions, part of which is a hydrogen-fueled economy. Hydrogen, one of the most common substances on Earth, is clear, clean and powerful. It is an attractive alternative to hydrocarbon fuels, such as gasoline. Many technologies that can use hydrogen to power cars, trucks, electrical plants and buildings exist today.

Khaleel earned his degree in engineering from the University of Jordan, and his doctorate from Washington State University. Khaleel joined the Pacific Northwest National Laboratory in 1993 and became a Laboratory Fellow in 2001. He conducted research on advanced materials for transportation application, and has since turned his attention to world energy systems and the future role for hydrogen systems. Khaleel has published more than 100 technical articles and received the Federal Laboratory Consortium Award for Superplastic Forming in 2000 and the Robert J. McGrattan Literature Award from the American Society of Mechanical Engineers in 1999.

For more information about the Seminar Series and to view a schedule of upcoming speakers, contact PNNL at 375-2599 or visit <http://www.pnl.gov/speak/seminar/sem-index.html>.

The Seminar Series is sponsored by PNNL and Columbia Basin College, with the support of the Columbia River Exhibition of History, Science and Technology and by the local chapter of Sigma Xi, the international honor society of scientific and engineering research. ■