



ECS President **MARK ALLENDORF** (front row, center) inducted the 2006 Class of ECS Fellows. Pictured in the front row, from left to right, are: **ANIL VIRKAR**, **ALBERT G. BACA**, (Allendorf), **MARK ORAZEM**, and **GERALD FRANKEL**. In the back row, from left to right, are: **NOBUYOSHI KOSHIDA**, **HARUMI YOKOKAWA**, **BARRY MACDOUGALL**, **HISHAM MASSOUD**, **DURGA MISRA**, and **SUPRIYO BANDYOPADHYAY**. Unable to attend the ceremony were new Fellows **THOMAS FAHIDY**, **CHENNUPATI JAGADISH**, **JEAN LESSARD**, and **ANDRZEJ WIECKOWSKI**.

**Meeting Highlights**  
(continued from page 9)

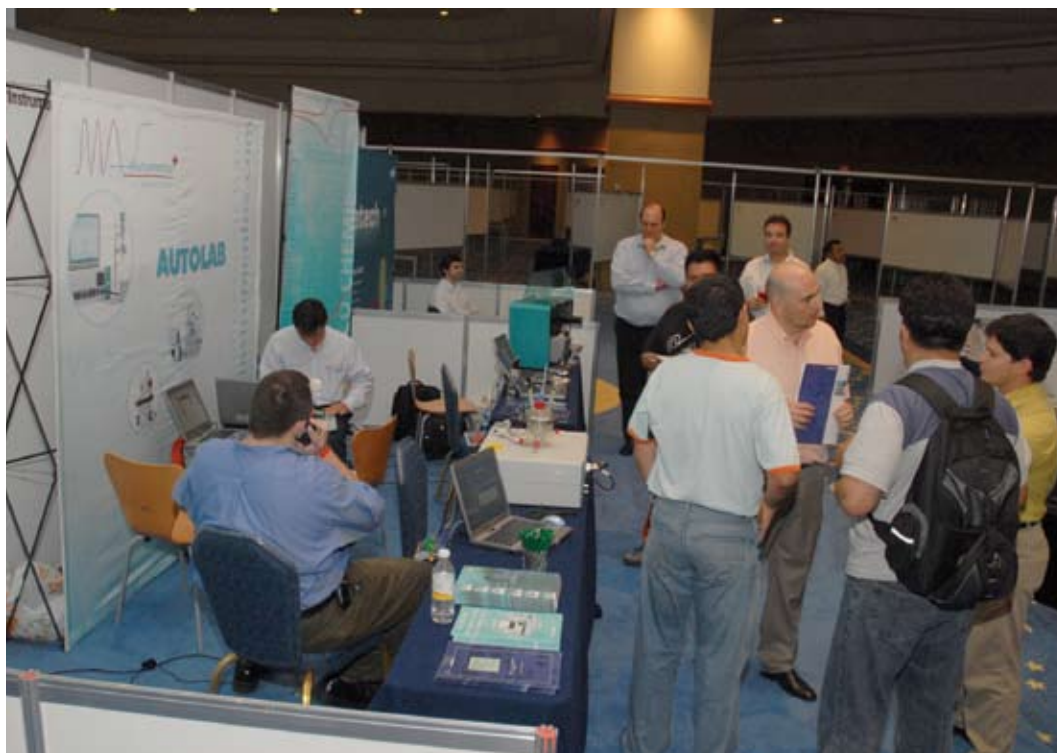
(and other greenhouse gas) levels could be capped at safe limits. Particularly noteworthy was a graph of how the steeply rising trend of

gasoline consumption with time could be slowed and even inverted with an increasing penetration of hybrid vehicles and fuel-cell powered transportation.

The talk then turned to a focus on the various types of fuel cells with

particular emphasis of the polymer electrolyte membrane (PEM) variety, which is now being considered for transportation applications (Editor's note: See, for example, Vol. 14, No. 3, fall 2005 issue of this magazine).

The technical challenges associated with durability, cost, and high temperature operation of PEMFCs were then discussed along with electrochemical methods for testing components and complete systems. Particularly of interest in this part of the lecture, especially to the non-specialists in the audience, were examples of niche applications and "success stories" of FC deployment such as the N.Y. Central Park Precinct police station (which escaped the power black-out that swept the East Coast a couple of years back) and the much lighter FC power packs to be carried by future soldiers on the battlefield relative to the heavy (72 lb.) battery loads with which they are currently burdened. ■



The **TECHNICAL EXHIBIT** in Cancun featured over 30 companies, with presentations of instruments, technology, and publications. The blank poster boards in the background were ready for the 84 student posters on Monday night and the 438 posters from other sessions.