

## New Hong Kong International Airport Pavement Management System



In 1997, Applied Pavement Technology, Inc. (APTech) implemented an Airport Pavement Management System (APMS) for the Airport Authority Hong Kong (AAHK) to use when the new Hong Kong International Airport on Chek Lap Kok Island opened in 1998. APTech staff spent a month in Hong Kong working with the engineering and maintenance staff to develop a pavement management database and to provide comprehensive training in the use and update of the APMS. In addition, APTech delivered an interactive CD-based training program on the airfield pavement condition index (PCI) procedure.

Since 1998, the new Hong Kong International Airport has been the recipient of many Skytrax “Best Airport” awards. The airport operates 24-hours a day and is one of the busiest airports in the world, serving approximately 47.8 million passengers in 2007. To maintain services for this transportation center and to provide continuing support for the use of the APMS, APTech was asked to return to Hong Kong to continue to monitor the condition of the pavements in 1999 and 2002. APTech updated the MicroPAVER database with the collected information and prepared a multi-year maintenance and rehabilitation plan for the AAHK to use in the management of its pavement infrastructure.