

## 2 MAE Professors elected Fellows of ASME



**Associate Professors Chen I-Ming and Nguyen Nam-Trung** have been elected Fellows of American Society of Mechanical Engineers (ASME). They join the select few, only 3% of the over 100 thousand ASME members worldwide, in becoming ASME Fellows. This is an honour that ASME bestows on its members who have made significant contributions to their profession.

1. Associate Professor Chen I-Ming
2. Associate Professor Nguyen Nam-Trung

## Fellow of the American Society for Materials (ASM)



**Associate Professor Raju Ramanujan** has been elected Fellow of the American Society for Materials (ASM). ASM International (founded in 1913) established the honor of Fellow of ASM (FASM) in 1969 to provide recognition to members for their distinguished contributions to materials science and engineering and to develop a broadly based forum of technical and professional leaders to serve as advisors to the society.

In recent years, some of the distinguished scientists and researchers who have received this title include Professor Reinhold H. Dauskardt (Stanford University) in 2010, Professor Evan Ma (Johns Hopkins University) and Dr David E. Alman (Director, Materials Performance Division, National Energy Technology Laboratory) in 2009 and Professor David C. Dunand in 2007 (Northwestern University).

## NTU & SMTC win 2 projects in the recent Australia's National Centre of Excellence in Desalination (NCED)



On 11 January 2011, **NTU** and **SMTC** are the only two winners from Singapore in the above Australian centre funding. There are a total of 12 NCED projects worth nearly Aus\$ 3 million.

## NTU eco-cars break the green milestone in fuel efficiency

NTU has unveiled its newest eco-car among one of two entries in the Shell Eco-Marathon Asia held in Sepang, Malaysia from 6 to 9 July 2011. Small, sleek and futuristic, these cars look like the latest toy cars to hit the shelves. The diesel-powered Nanyang Venture IV, resembling a Batmobile, weighs about 68kg due to its advanced carbon fibre reinforced polymer body shell, and a high-tech telemetry suite complete with on-board camera and sensors. Developed by eight students from NTU's School of Mechanical and Aerospace Engineering in 10 months, it is touted as the latest home-grown green car. The vehicle has an efficient four-horsepower diesel engine and the fuel tank has a capacity of 250cc. Diesel was picked as it has a power density that is higher than that of petrol, and with improved technology this would result in low greenhouse-gas emissions. NTU team's Venture IV diesel car drove to victory in its class by recording a fuel economy rating of 564.2km/L, far exceeding the team's own expectations.

