ELTE won HY-GO Competition

The Institute of Chemistry and the Department of Applied Analysis and Computational Mathematics of the Institute of Mathematics at Eötvös Loránd University is doing research in the topic of fuel cells in collaboration with the STS Groups Zrt. and the Mol Invest Zrt. in the framework of the ReCoMend project. A product of the results is a small three-wheeled (hydrogen-driven) car called HY-GO, which took the first prize in the Prototype category, the prize of the most innovative vehicle and the surcharge of the major sponsor Honda in the 4th Széchenyi Competition of Alternatively Driven Vehicles, held in Győr on 25 April, 2009. The car is environment-friendly: it works with fuel cells with practically no pollutant emission.

The major technical parameters of the vehicle are as follows:

Size: 1.6 x 1.2 x 1.8 m
Weight: 150 kg
Power: 750 W
Hydrogen tank: 900 l
Consumption: 10 l hydrogen/km
Max. speed: 35 km/h
Range: 90 km
Driving 1 km costs 31 forints.

The development of the vehicle was sponsored by Magyar Villamos Művek (Hungarian Electric Works), and assisted by the Spin-off és Start-up Szövetség (Spin-off and Start-up Alliance). Further details can be found on the web site www.hy-go.com.