

## **Workshop on Hybrid Electric Vehicle Modeling and Control**

### **Final Program**

June 12, 2007, Istanbul

In conjunction with IEEE Intelligent Vehicles Symposium 2007

13:15pm-13:20pm

#### **Opening and Welcome**

Tankut Acarman, Workshop Chair

13:20am-13:45am

#### **Keynote Speech**

#### **R&D in Hybrid Electric Vehicle Technology and its projection into EU-FP7**

Prof. Levent Guvenc, ITU-MEKAR and AUTOCOM Director

13:45pm-14:10pm

#### **Upgrading Heavy Duty Truck Performance and Fuel Economy through Hybridization**

Kemal Caliskan, Evren Ozatay, A.Murat Yildirim, Y.Samim Unlusoy

14:10 pm-14:35pm

#### **Modelling of a Series Hybrid Electric Vehicle**

Peter Bauer, Zsuzsa Preitl, Peter Gaspar, Zoltan Szabo, Jozsef Bokor

14:35pm-15:00pm

#### **Component Sizing in Hybrid Electric Vehicle Design using Optimization and Design of Experiments Techniques**

Ali Boyali, Tankut Acarman, Levent Guvenc

15:00pm- 15:30pm

#### **Coffee Break**

15:30pm-15:55pm

#### **Energy Flow Modeling Method for Simulation of a Series-Parallel Hybrid Electrical Vehicle**

R.N.Tuncay, O.Ustun, C.Gokce, M.Yilmaz

15:55pm-16:20pm

#### **Evaluation of Power Assist and Soft Hybrid Power Management Strategies for a Series Hybrid Electric Vehicle through Modeling**

Okan Tur, R. Nejat Tuncay

16:20pm-16:45pm

#### **Propulsion System Design of a Hybrid Electric Vehicle**

Volkan Sezer, İsmail Meric Can Uygan, Ahu Ece Hartavi, Tankut Acarman, Levent Guvenc

16:45pm-17:10pm

#### **Development of Hybrid Braking Algorithm for Electric/Hybrid Electric Vehicles**

Ahu Ece Hartavi, İsmail Meric Can Uygan, Volkan Sezer, Tankut Acarman, Levent Guvenc