



Automatic Driving Control Method: Latest Advances and Prospects

Guest Editors:

Dr. Amin Hekmatmanesh

Mechanical Engineering, LUT
School of Energy Systems, LUT
University, Lappeenranta,
Finland

Dr. Fan Gao

Department of Kinesiology and
Health Promotion, College of
Education, University of
Kentucky, 214 Seaton Center,
Lexington, KY, USA

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Message from the Guest Editors

Dear Colleagues,

The brain–computer interface (BCI) is a technology that has been introduced to improve the quality of life of people with disabilities or difficulties in their daily lives. BCI applications such as driver assistant, sleep identification for drivers, and control of a bionic hand/ankle–foot orthosis are widely used for healthy people as well as paralyzed patients. BCI studies are not limited to EEG signals. BCI has the potential to be used in many applications based on biosignals. Research in the field mainly focuses on the development of mathematical calculations for brain-controlled vehicles, brain-controlled air vehicles, brain-controlled bionic hands, and brain-controlled foot–ankle braces using biosignals from electroencephalograms (EEGs), electrooculograms (EOGs), and electromyograms (EMGs). Mathematical implementations are mainly divided into five main steps: (1) preprocessing, (2) feature extraction, (3) feature selection, (4) classification, and (5) statistical analysis.

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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

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