

研究成果報告書 (掲載期間 2017.11-2018.10)

情報システム学科 宮島千代美

審査学術論文

- (1) Andrey Alekseenko, Hien Q. Dang, Gaurav Bansal, Javier Medina, Takatsugu Hirayama, Chiyomi Miyajima, Ichiro Ide, Kazuya Takeda: ITS+DM Hackathon (ITSC 2017): Lane departure prediction with naturalistic driving data, IEEE Intelligent Transportation Systems Magazine (採録決定).
- (2) Ekim Yurtsever, Suguru Yamazaki, Chiyomi Miyajima, Kazuya Takeda, Masataka Mori, Kentarou Hitomi, Masumi Egawa: Integrating driving behavior and traffic context through signal symbolization for data reduction and risky lane change detection, IEEE Transactions on Intelligent Vehicles, Vol. 3, No. 3, 2018, pp. 242-253.

学会発表

- (1) Taku Umeda, Chiyomi Miyajima, Eijiro Takeuchi, Kazuya Takeda: Modeling and evaluation of the gaze behavior of individual drivers, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (2) Daiki Hayashi, Chiyomi Miyajima, Kazuya Takeda: Modeling the relationship between driver gaze behavior and traffic context during lane changes using a recurrent neural network, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (3) Yuan Sheng, Peng Ping, Chiyomi Miyajima, Eijiro Takeuchi, Kazuya Takeda: Estimation of driver's risk feeling using information from the driving environment, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (4) Kohei Tsuzuki, Chiyomi Miyajima, Eijiro Takeuchi, Kazuya Takeda, Suguru Yamazaki, Masataka Mori, Utsushi Sakai, Kenji Muto: Classification of driving situations by risk level using a deep neural network, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (5) Peng Ping, Mengmeng Guo, Chiyomi Miyajima, Kazuya Takeda: Far-infrared images recognition for nighttime pedestrian detection based on transfer learning, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (6) Naren Bao, Chiyomi Miyajima, Eijiro Takeuchi, Kazuya Takeda: Modeling subjective driving risk feeling using ensemble learning methods, 8th Biennial Workshop on DSP in Vehicles, Oct. 2018, Nagoya, Japan.
- (7) 宮島千代美: 運転行動データベースの構築とその活用, IEEE ITS ソサイエティ名古屋チャプター2018年第1回講演会, 2018年8月, 名古屋市.
- (8) Peng Ping, Wenhui Qin, Yang Xu, Chiyomi Miyajima, Takeda Kazuya: Spectral clustering based approach for evaluating the effect of driving behavior on fuel economy, 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC), May 2018, Houston, Texas, USA.
- (9) Bao Naren, Chiyomi Miyajima, Akira Tamamori, Eijiro Takeuchi, Kazuya Takeda: Estimating subjective driving risk feeling using random forest, 電子情報通信学会 2018年総合大会, 2018年3月, 東京.

大規模プロジェクト

- (1) 武田一哉, 宮島千代美: 経済産業省-日本自動車研究所再委託研究, 高度な自動走行システムの社会実装に向けた研究開発・実証事業: 自動バレーパーキングの実証及び高度な自動走行システムの実現に必要な研究開発: 認識・判断データベース構築技術の開発と利活用の検討における機械学習による認識・判断データ活用に必要な要件整理, 研究実施者, 平成 29 年.
- (2) 武田一哉, 二宮芳樹, 宮島千代美: 科学技術振興機構, 産学共創プラットフォーム共同研究推進プログラム (OPERA), 協奏システム評価, 自動運転社会評価プラットフォーム, 研究参加者, 平成 28 年.

科研費採択

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その他

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