

[Poster Presentation] Research and development of a safe bus driving support system considering passenger discomfort

Toyokazu Akiyama[†] Ismail Arai[‡] Hiroshi Yamamoto^{††}

[†] Kyoto Sangyo University, Kamigamomotoyama, Kita-ku, Kyoto, 603-8555 Japan

[‡] Nara Institute of Science and Technology, 8916-5 Takayama-cho, Ikoma, Nara, 630-0192 Japan

^{††} Ritsumeikan University, 1-1-1 Noji-higashi, Kusatsu, Shiga, 525-8577 Japan

E-mail: [†] akiyama@cc.kyoto-su.ac.jp, [‡] ismail@itc.naist.jp, ^{††} hiroyama@fc.ritsumei.ac.jp

Abstract In recent years, bus accidents have become a social problem due to the aging of bus drivers and the shortage of personnel. Our research group has been developing a safe bus driving support system for reducing bus accidents. About the type of accidents, inside car accidents become critical for fixed-route buses. While recent safe driving support systems using AI detect moving passengers to reduce inside car accidents, the other attributes, e.g. inside car status, age, baggage, use of a smartphone, and so on, are not considered. In this research, we focus on the inside car status, and, detecting passengers' discomfort, e.g. discomfort driving, late schedule, congestion in the car. In this poster presentation, we will introduce the project overview and the related activities.

Keywords Safe bus driving support system, Passenger discomfort

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