

We are pleased to announce the following workshop offered in conjunction with the 9th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI 2017):

| Control Transition Workshop: Handover and Takeover Procedures |
| in Highly Automated Driving |

| Oldenburg, Germany; September 24th, 2017 |
| collocated with AutomotiveUI 2017 (<http://www.auto-ui.org/17>) |

| Submission deadline (position papers): August 7th, 2017 |

-----| ORGANIZERS |-----

- Shadan Sadeghian - Interactive Systems Group, OFFIS Institute of Information Technology
- Alexander Meschtscherjakov - University of Salzburg, Salzburg, Austria
- Alexander Mirnig - Department of Computer Sciences, University of Salzburg, Salzburg, Austria
- Susanne Boll - Computer Science, University of Oldenburg, Oldenburg, Germany
- Frederik Naujoks - Wuerzburg Institute for Traffic Sciences (WIVW), Veitshoechheim, Germany
- Ioannis Politis - Engineering Design Centre, University of Cambridge, Cambridge, United Kingdom
- Ignacio Alvarez - Intel Labs, Intel Corporation, Portland, Oregon, USA

-----| IMPORTANT DATES FOR THE WORKSHOP |-----

- * Submission deadline: August 7th, 2017
- * Notification of acceptance: August 14th, 2017
- * Camera ready version due: August 21st, 2017
- * Workshop date: September 24th, 2017

Please feel free to contact the organizers at any time.

-----| OBJECTIVES: ADAPTIVE AMBIENT DISPLAYS AND INTERACTIONS |-----

This workshop focuses on the the problem of designing effective control transition interfaces in highly automated vehicles. This includes the handover of control from the driver to the autonomous vehicle, as well as takeover proce- dures from the vehicle to the driver. The workshop aims at consolidating existing knowledge and identifying remaining issues together with paths towards resolving these issues. Concrete focus points concern tasks and actors involved, presentation modalities, gradual versus sudden transition requests, situation and driving mode awareness, the tempo- ral dimension, and engagement in driving and non-driving tasks.

-----| WORKSHOP THEMES |-----

Potential topics to be discussed at the workshop include, but are not limited to:

- Presentation time of transition requests
- Presentation modality of transition requests
- Gradual vs. sudden transition requests
- Contextual cueing
- Mode awareness after transitions
- Engagement in non-driving tasks; how to measure levels of immersion, flow, engagement and involvement in secondary tasks
- Duration of engagement in non-driving task/Automated driving
- The trade-off between driving and non-driving tasks
- Mental models of handover/takeover situations and the transfer of situational awareness
- Increase situation awareness in times of transitions
- The phases of a handover and takeover (before, during, after), and the potential actors participating to these transitions (driver, car, possible passengers)
- Transitions between different levels of automation and how to design them

-----| PARTICIPATION |-----

Participants will be selected based on their submission through a review process. The review process will be conducted by a program committee consisting of the organizers as well as selected researchers working in AutomotiveUI domain. Registration for the main conference is mandatory for all workshop participants, but there are no additional costs for attending the workshop beyond the main conference registration fee.

-----| SUBMISSIONS |-----

Participants are expected to submit a position paper of 1 to 4 pages via email at control.transition@autoui.org by August 7th, 2017. All submissions must follow the SIGCHI Extended Abstracts format (<https://github.com/sigchi/Document-Formats>).

Submissions need not to be anonymous. However, reviews will be done anonymously using an evaluation form. Each paper will receive at least two reviews. All accepted papers will be published online before the beginning of the workshop.

Looking forward to hearing from you,
Shadan Sadeghian Borojeni on behalf of all co-organizers.