

Nicolas Louveton

Liste des publications

Publications

Articles de journaux indexés

Faye, S., Louveton, N., Gheorghe, G., and Engel, T. (2016). A two-level approach to characterizing human activities from wearable sensor data. *Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications*, 7(3):1–21.

Louveton, N., Bootsma, R. J., Guerin, P., Berthelon, C., and Montagne, G. (2012a). Intersection crossing considered as intercepting a moving traffic gap: Effects of task and environmental constraints. *Acta psychologica*, 141(3):287–294.

Louveton, N., McCall, R., Koenig, V., Avanesov, T., and Engel, T. (2016). Driving while using a smartphone-based mobility application: Evaluating the impact of three multi-choice user interfaces on visual-manual distraction. *Applied ergonomics*, 54:196–204.

Louveton, N., Montagne, G., Berthelon, C., and Bootsma, R. J. (2012b). Intercepting a moving traffic gap while avoiding collision with lead and trail vehicles: Gap-related and boundary-related influences on drivers' speed regulations during approach to an intersection. *Human movement science*, 31(6):1500–1516.

Louveton, N., Sengupta, K., McCall, R., Frank, R., and Engel, T. (2017). Testing a commercial bci device for in-vehicle interfaces evaluation: A simulator and real-world driving study. *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, 8(2):1–13.

Meskali, M., Hirt, S., Aillerie, I., Gineyt, G., Louveton, N., and Berthelon, C. (2011). Effect of moderated doses of alcohol on behavior of drivers confronted to simulated scenarios of accident. *Advances in transportation studies*, (25).

Articles longs de conférences (indexés)

Gheorghe, G., Louveton, N., Martin, B., Viraize, B., Mouglin, L., Faye, S., and Engel, T. (2016). Heat is in the eye of the beholder: Towards better authenticating on smartglasses. In *Human System Interactions (HSI), 2016 9th International Conference on*, pages 490–496. IEEE.

Louveton, N., McCall, R., Avanesov, T., Koenig, V., and Engel, T. (2013). Assessing in-vehicle information systems application in the car: a versatile tool and unified testing platform. In *Proceedings of the 5th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*, pages 266–269. ACM.

McCall, R., McGee, F., Meschtscherjakov, A., Louveton, N., and Engel, T. (2016). Towards a taxonomy of autonomous vehicle handover situations. In *Proceedings*

of the 8th International Conference on Automotive User Interfaces and Interactive Vehicular Applications, Automotive'UI 16, pages 193–200, New York, NY, USA. ACM.

Mccall, R., Popleteev, A., Martin, B., Louveton, N., and Engel, T. (2015). Text entry on smart glasses a comparison of two input techniques. In *8th International Conference on Human System Interaction (HSI'2015)*.

Pecci, I., Martin, B., Kacem, I., Maamria, I., Faye, S., Louveton, N., Gheorghe, G., and Engel, T. (2016). Not a tile out of place: Toward creating context-dependent user interfaces on smartglasses. In *Human System Interactions (HSI), 2016 9th International Conference on*, pages 497–503. IEEE.

Trösterer, S., Gärtner, M., Mirnig, A., Meschtscherjakov, A., McCall, R., Louveton, N., Tscheligi, M., and Engel, T. (2016). You never forget how to drive: Driver skilling and deskillling in the advent of autonomous vehicles. In *Proceedings of the 8th International Conference on Automotive User Interfaces and Interactive Vehicular Applications, Automotive'UI 16*, pages 209–216, New York, NY, USA. ACM.

Vogl, A., Louveton, N., McCall, R., Billingham, M., and Haller, M. (2015). Understanding the everyday use of head-worn computers. In *Human System Interactions (HSI), 2015 8th International Conference on*, pages 213–219. IEEE.

[Articles courts et workshops \(indexés\)](#)

Avanesov, T., Louveton, N., McCall, R., Koenig, V., and Kracheel, M. (2012). Towards a simple city driving simulator based on speed dreams and osm. In *Adjunct Proceedings of 4th International Conference on Automotive User Interfaces and Interactive Vehicular Applications*, volume 2, pages 32–33. ACM SIGCHI.

Durette, B., Louveton, N., Alleysson, D., and Hérault, J. (2008). Visuo-auditory sensory substitution for mobility assistance: testing thevibe. In *Workshop on Computer Vision Applications for the Visually Impaired*.

Faye, S., Louveton, N., Gheorghe, G., and Engel, T. (2016). Toward a characterization of human activities using smart devices: A micro/macro approach. In *Computer Communications Workshops (INFOCOM WKSHPs), 2016 IEEE Conference on*, pages 676–681. IEEE.

McCall, R., Louveton, N., Kracheel, M., Avanesov, T., and Koenig, V. (2013). Gamification as a methodology: A multi-part development process. In *Workshop on Designing Gamification. ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2013), April 27th-May 2nd, Paris, France*.

Meschtscherjakov, A., McCall, R., Louveton, N., Engel, T., Tscheligi, M., and Koenig, V. (2015). Madsav: Maintaining driving skills in semi-autonomous vehicles. In *Adjunct Proceedings of the 7th International Conference on Automotive User Interfaces and Interactive Vehicular Applications, AutomotiveUI '15*, pages 136–139, New York, NY, USA. ACM.

Popleteev, A., Louveton, N., and McCall, R. (2015). Colorizer: smart glasses aid for the colorblind. In *Proceedings of the 2015 workshop on Wearable Systems and Applications*, pages 7–8. ACM.

[Archives ouvertes et jeux de données](#)

Faye, S., Louveton, N., Jafarnejad, S., Kryvchenko, R., and Engel, T. (2017). An Open Dataset for Human Activity Analysis using Smart Devices. working paper or preprint.