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Adaptive Human–Machine Interaction

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Message from the Guest Editors

Dear Colleagues,

Today, a wide range of advanced driver assistance systems (ADAS) are being developed to enhance drivers' perception of hazards and/or partly automate the driving task. Most ADAS consists of sensorized systems aimed at enhancing vehicle awareness, improving occupants' experience, and increasing driving safety. An effective communication between ADAS and drivers, mainly deployed through vehicular human–machine interfaces (HMI), is a challenging design task for practitioners and scholars in the automotive field.

This Special Issue covers the following topics: technological challenges in human factors for designing adaptable, usable, and accessible human–machine interfaces, affective computing and emotional regulation, artificial intelligence for safe mobility and implementation in HMIs, and user experience in driving. New theories, design methodologies, and enabling technological solutions for innovative, integrated, and adaptive HMIs are in this Special Issue's scope. [...]

For further reading, please follow the link to the Special Issue Website at:

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