Remote Driving: A Ready-to-go Approach to Autonomous Car?  
- Opportunities and Challenges

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Abstract

In contrast to autonomous driving solutions purely based on artificial intelligence, this article discusses an alternative for autonomous cars, which involves remote over-the-network driving. The progress in ITS technology, especially in wireless networks and robotic control theory, allows envisioning tele-operated cars that are equally effective in navigating roads and highways to cars controlled by an on-board human driver. This article also examines the challenges that remote driving needs to overcome and possible solutions before turning this technology into reality.