

# Dynamic Research, Inc.

## AUTOMATIC VEHICLE CONTROLLERS

Dynamic Research, Inc. (DRI) has specified, designed, fabricated, installed and conducted evaluations with Automatic Vehicle Controllers (AVC) for a variety of vehicles, including automobiles, light trucks, SUVs, all terrain vehicles, and motorcycles. An AVC is a device for automating any or all of a vehicle's control functions in a prescribed manner. They range from devices that control one particular vehicle input, such as steering (as pictured above), to fully remotely controlled vehicles, in which steering, braking, acceleration are all controlled to perform a particular maneuver.



### Advantages of an AVC

- Precise, accurate and repeatable inputs
- Sensor feedback can be used in control algorithms
- Can be setup to be controlled remotely
- Digital real time control system
- Inputs can be simple or very complex, including waveforms which are difficult or impossible for human drivers (e.g., sinewave sweeps), or on the other hand, typical of human drivers
- Minimize risk of testing

DRI specializes in applied research, development, and consulting in the areas of vehicle dynamics and control, man-machine systems, human factors, biomechanics, and structural mechanics. For further information please contact us at 310-212-5211, visit our web site at [www.dynres.com](http://www.dynres.com), or email us at [info@dynres.com](mailto:info@dynres.com).