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Avirup Basu - Autonomous Navigation in Unmanned Ground Vehicles

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Intelligent Unmanned Ground Vehicles: Autonomous ...

Intelligent Unmanned Ground Vehicles describes the technology developed and the results obtained by the Carnegie Mellon Robotics Institute in the course of the DARPA Unmanned Ground Vehicle (UGV) project. The goal of this work was to equip off-road vehicles with computer-controlled, unmanned

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The European leading robotics and autonomous systems developer Milrem Robotics demonstrated their autonomous THeMIS unmanned ground vehicle to the Italian Army this week and launched a new program to assess and analyse the implementation of intelligent systems into the army's doctrine. This press release features multimedia.

[Milrem Robotics demonstrated its autonomous THeMIS UGV to ...](#)

From the Publisher: Intelligent Unmanned Ground Vehicles describes the technology developed and the results obtained by the Carnegie Mellon Robotics Institute in the course of the DARPA Unmanned Ground Vehicle (UGV) project. The goal of this work was to equip off-road vehicles with computer-controlled, unmanned driving capabilities.

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Delivering state-of-the-art Unmanned Ground Vehicle solutions. HORIBA MIRA continues to deliver state of the art remote control, teleoperated and autonomous vehicles for both military and civilian applications, with our own specialist MACE (Modular Autonomous Control Equipment) technology providing the basis for all of our Unmanned Ground Vehicles that have to operate in complex off-road ...

[Unmanned Ground Vehicles - Unmanned Ground Vehicles](#)

Estonian company, Milrem Robotics demonstrated their autonomous THeMIS unmanned ground vehicle (UGV) to the Italian Army last week. During the robotics and autonomous systems (RAS) capability spotlight last week the company successfully presented their THeMIS unmanned ground vehicle (UGV) enhanced with Milrem's Intelligent Functions Integration Kit (MIFIK) that features autonomous functions ...

[Milrem Robotics Demonstrates Its Autonomous THeMIS UGV To ...](#)

Existing unmanned aircraft systems use global positioning and are not capable of autonomous operation from moving vehicles. Planck's intelligent navigation solutions enable new capabilities for surveillance, reconnaissance, real-time situational awareness, and force protection.

[SOR Autonomous Security Drone Collaboration - sUAS News ...](#)

This site has information on the annual competition where college students design and construct autonomous ground vehicles to compete in the Autonomous Challenge Competition Vehicle Design Competition and Navigation Challenge Competition. The site consists of

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Location and date, rules, team photographs, entry application, news, and results from previous competitions.

28th Intelligent Ground Vehicle Competition

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Milrem Robotics demonstrated its autonomous THeMIS UGV to ...

An unmanned ground vehicle is a vehicle that operates while in contact with the ground and without an onboard human presence. UGVs can be used for many applications where it may be inconvenient, dangerous, or impossible to have a human operator present. Generally, the vehicle will have a set of sensors to observe the environment, and will either autonomously make decisions about its behavior or pass the information to a human operator at a different location who will control the vehicle through

Unmanned ground vehicle - Wikipedia

Existing unmanned aircraft systems use global positioning and are not capable of autonomous operation from moving vehicles. Planck's intelligent navigation solutions enable new capabilities for ...

SOR Autonomous Security Drone Collaboration

Existing unmanned aircraft systems use global positioning and are not capable of autonomous operation from moving vehicles. Planck's intelligent navigation solutions enable new capabilities for ...

SOR Autonomous Security Drone Collaboration | Markets Insider

The environment perception system equipped with the unmanned air-ground flying vehicle is the same as that of an unmanned vehicle, which has autonomous decision-making ability without human control; Compared with point-to-point path, this rotor-type unmanned air-ground flying vehicle can carry out three-dimensional path planning and can realize functions such as vertical takeoff and landing, space planning, hovering in the air, flight obstacle avoidance, ground cruise, following the vehicle ...

The World's First Unmanned Air-Ground Flying Vehicle ...

Intelligent unmanned autonomous systems are systems that are man-made and capable of carrying out operations or management by means of advanced technologies without human intervention. Since ancient times, humans have created countless kinds of unmanned systems.

Current trends in the development of intelligent unmanned ...

The 4D/RCS Reference Model Architecture is a reference model for military unmanned vehicles on how their software components should be identified and organized. The 4D/RCS has been developed by the Intelligent Systems Division of the National Institute of Standards and Technology since the 1980s. This reference model is based on the general Real-time Control System Reference Model Architecture, and has been applied to many kinds of robot control, including autonomous vehicle control.

4D-RCS Reference Model Architecture - Wikipedia

bae systems offers a multi purpose unmanned ground vehicle ugv called the ironclad bae systems claims the ironclad can be outfitted with different equipment modules to solve a

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Intelligent Unmanned Ground Vehicles describes the technology developed and the results obtained by the Carnegie Mellon Robotics Institute in the course of the DARPA Unmanned Ground Vehicle (UGV) project.

Intelligent Unmanned Ground Vehicles | Guide books

In the endless, golden wave of rice fields, an unmanned intelligent harvester uses satellite navigation and positioning to move forward at a uniform speed, rumbling forward. The harvester can automatically plan the path, and when it encounters the end of the ridge, it will automatically turn around and "spit out" crushed straw behind it.

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