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ROBOT NEWS

June 2010



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Looking for other outdoor robots?

MobileRobots has two other outdoor platforms to consider.

[Seekur](#) is a larger, more capable robot, also rated for all-weather conditions.

The [P3-AT](#) is a smaller, less expensive option for researchers.

View our complete line of research robots [here](#).

Looking for fleets for collaboration or classroom use?



MobileRobots offers discounted pricing on [Class Packs](#) of robots, with both single- and cross-platform options.

Updated Support Site

Our [support site](#) provides information, support, and downloads for all of our products, and includes information on subscribing

...verticalresponse.com/.../00c157f760/

Seekur Jr has a new arm!



Whether you simply want a platform with more power, or need an autonomous indoor and outdoor robot with the computing power and expansion for your advanced research, choose the new Seekur Jr.

A truly outdoor capable robot that won't break the bank, the weatherized

Seekur Jr features large 16" (400mm) wheels like the full sized Seekur. With four-wheel skid-steer traction, it can climb steep grades and over large obstacles and carry a 50kg payload.

It shares many of the same optional accessories as the full sized Seekur, including multiple PCs, dGPS, advanced batteries, IMU, WiFi, multiple MobileRanger Stereocameras, and one or two of the new SICK LMS111 lasers. Of course, it also supports our indoor and outdoor guidance software.

New Arm for Seekur & Seekur Jr

Finally, the new accessory arm for Seekur and Seekur Jr is available in 5-DOF and 7-DOF configurations with an optional force sensor and ACTIN software. View more information at our [web site](#).



Motivity Industrial-Grade Autonomous Robot Operating System

Motivity is the only robot operating system based on natural features that has been proven for 3 years over millions of miles, 24X7X365 under harsh industrial conditions. Available in the form of robot control cores for OEMs and mobile robotic bases for Value-Added Resellers, Motivity provides a quick-to-install, easy-to-use operating system for non-programmers to configure simple applications or for roboticists to design commercial-quality, enterprise-compatible applications.

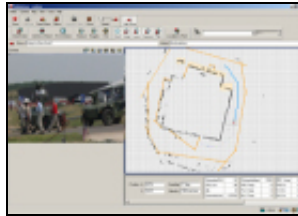


information on subscribing to our community email lists.

For more information, visit our [Motivity](#) pages.

Researcher mOGS Outdoor Guidance

Available now on properly equipped outdoor robots from MobileRobots, this software takes care of outdoor localization, path planning, and obstacle avoidance for you.



Begin using MobileRobots Outdoor Guidance System (mOGS) by mapping obstacles and GPS coordinates in a 2D grid. Then, you can send your robots anywhere within the map; watch them path-plan and dynamically avoid laser-level obstacles as they travel to their goals. The mOGS

display GUI lets you demo and test quickly. mOGS is a backwards compatible upgrade to MobileRobots Advanced Robotics Interface for Applications (ARIA) and is a great complement to the Advanced Robotics Navigation and Localization (ARNL) for indoor mapping and guidance.

For more information, visit our [mOGS Outdoor Navigation Package](#) page.

New lasers! 270 degree SICK LMS100/111 Rangefinder and Hokuyo URG support in ARIA

The new LMS111 from SICK is an improved 270 degree field of view scanning laser range finder. Not only is it lighter than the LMS200, it draws less power. Featuring an Ethernet interface, it doesn't require a special high speed serial link to send all the range data. The LMS111 is also outdoor rated and can be heated.



The LMS111 is shipping on Seekur class robots now; please inquire for integration on our other platforms. It is supported in the (free!) [ARIA](#) version 2.7.2 and above.

The smaller and lighter [Hokuyo URG](#) is also supported with [ARIA 2.7](#) with the SCIP 1.1 interface. It will fit in places where the larger SICK LMS2xx or LMS1xx cannot, like the underside of a robot.



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