

Division 6000 Accomplishments

Divisions 6000 | Center 6500

Demonstrating Better Walking and Energy Performance

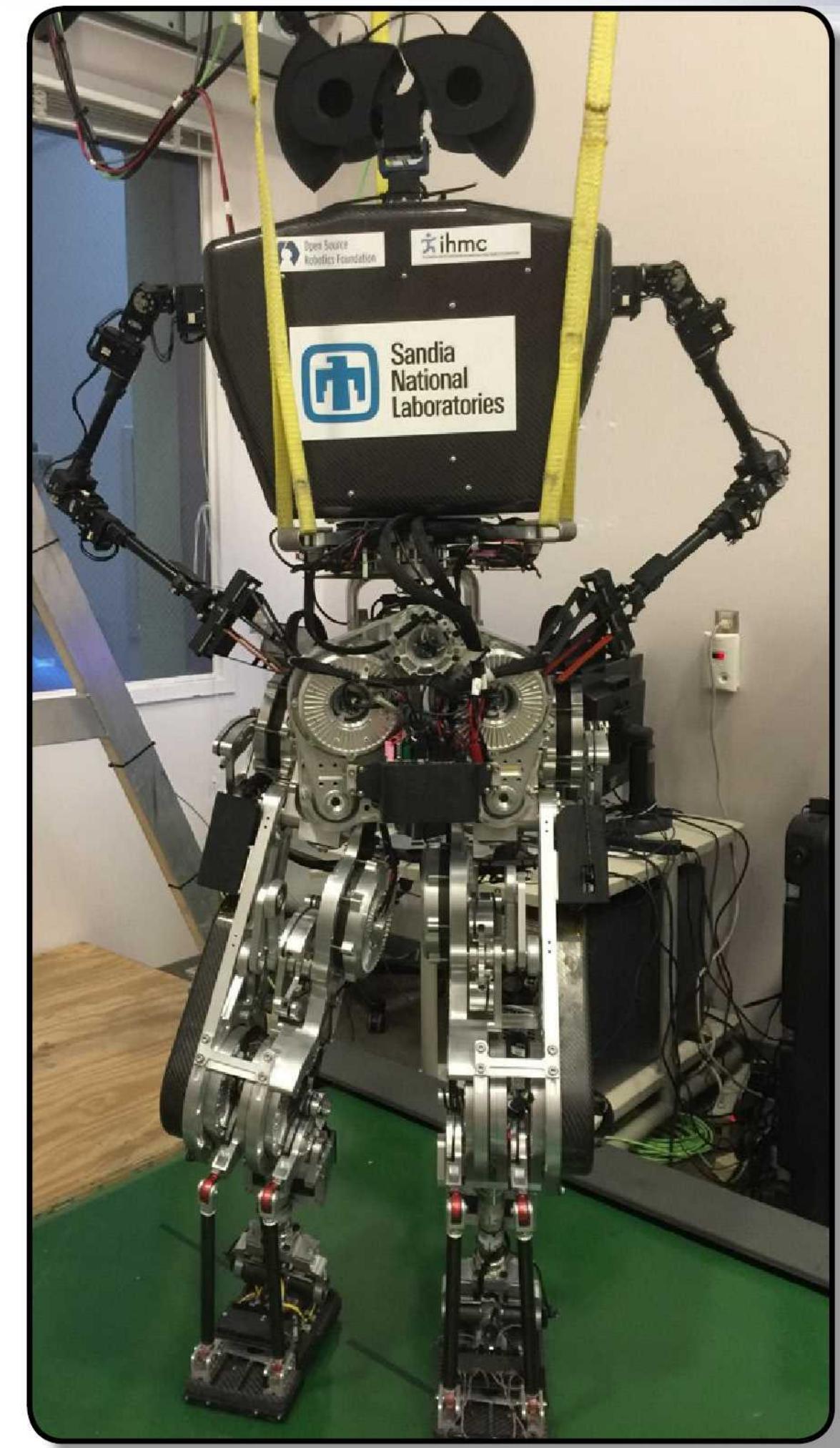
Sandia's Robotics team exhibited its bipedal walking robot, WANDERER, at the Technology Exposition portion of the DARPA Robotics Challenge Finals in Pomona, CA. The team conducted a field test and demonstration. The Sandia-designed robot successfully operated for 5 hours and 20 minutes, including 4 hours and 9 minutes of active walking, traversing 2.8 km on a single battery charge. This level of performance exceeds that of previous walking robots by more than 5 times. Core components of the technology are readily transferable to other application spaces.



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Sandia's energy efficient actuation and drive train technologies dramatically improve the charge life of legged robots like WANDERER.



Sandia's robotics team with the WANDERER robot at the DARPA Robotics Challenge in Pomona, CA.