Sporty Robots Advance Artificial Intelligence

Peter Stone
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CURRENT RESEARCH

Improving decision-making skills in robots using physical situations

Artificial intelligence in the 21st Century is no longer a mere subject of sci-fi fantasy - robots are real and are here to stay. Dr. Stone and his research team at The University of Texas at Austin, are at the forefront of artificial intelligence. From autonomous cars that can safely navigate busy traffic intersections and motorways, to robots that work together on a team to compete with other robots in competitive soccer tournaments, Dr. Stone is the robot man.

- Dr Stone is the founder and team leader of the UT Austin Villa robot soccer teams at The University of Texas at Austin. Dr. Stone is also the Vice President of the RoboCup Federation.

- Within the robot soccer domain, he is studying reinforcement learning which enables a team of autonomous robots to cooperate with each other and successfully compete on the soccer field.

- Dr. Stone invented "Autonomous Intersection Management" which is a scalable, safe, and efficient multiagent framework for managing autonomous vehicles at intersections.

The impact of artificial intelligence is ultimately boundless. Dr. Stone's research produces complete, robust, autonomous agents that can learn to interact with other intelligent agents in a wide range of complex, dynamic environments. Dr. Stone has proven this through his multifaceted research endeavors and he believes that general purpose robots will soon be in a store near you.

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AFFILIATION
The University of Texas at Austin

EDUCATION

- Ph.D. in Computer Science, 1998 , Carnegie Mellon University
- M.S. in Computer Science 1995 , Carnegie Mellon University
- B.S. in Mathematics with honors and a concentration in Computer Science 1993 , The University of Chicago

AWARDS

- Regents' Outstanding Teaching Award (2013)
- Faculty Research Award (2012)
- Robocup World Champion
- Faculty Research and Engagement (FREP) award (2011)

RESEARCH AREAS

Technology, IOT, Devices, Data, Robotics

FUNDING REQUEST

Your contributions will enable Dr. Stone to continue to improve the current robot technology in his lab and assist with developing and testing novel learning algorithms. Additionally your help will enable Dr. Stone to broaden his outreach activities and introduce them to a wider audience.