



Join our on-campus Roundtable, Lecture and Social Hour Friday, October 5th

Lee Redden is the Chief Technology Officer (CTO) and co-founder of [Blue River Technology](http://BlueRiverTechnology.com). Lee has a background in mechanical engineering, electrical engineering and computer science with a deep focus on machine learning and computer vision. He attended the University of Nebraska-Lincoln and Stanford with short working stints at NASA's Johnson Space Center and John's

Roundtable Discussion

How does a modern agriculture work?

Friday October 5th 1pm-2:30pm at Newell Simon Hall 3001

15 years before autonomous cars became popular tractors were pioneering the use of GPS to automate steering. For the last 10 years, auto-steering has been a standard option. Modern tractors are filled with displays and implements full of sensors and actuators. Precision modern agriculture relies on big complex machines and detailed planning. These machines are modern day transformers going from over-the-road vehicles to 120 feet wide capable of covering hundreds of acres per day and making millions of decisions. Learn about the modern precision agriculture ecosystem and the machines farmers rely on to feed the world.



Talk

Friday October 5th 3:30pm in the Robotics Institute

Lee Redden is the Chief Technology Officer (CTO) and co-founder of Blue River Technology, a company that builds robotic weeding systems for agriculture that use computer vision and deep learning to detect every individual plant and take action on a plant-by-plant basis. Blue River built a business that operated on 10% of the lettuce grown in the us. Lee will talk about the evolution of the company and product from two people in a garage, to raising money from top VC's on sand hill road, to building and scaling new technology, to the business being acquired by John Deere and the excitement to continue to bring advanced technology to agriculture. *Social hour to follow*