

**Center for Artificial Intelligence in Society presents...**

# **Dr. Amy Greenwald**

## **The Interplay of Agent and Market Design**

We humans make hundreds of routine decisions daily. More often than not, the impact of our decisions depends on the decisions of others. As AI progresses, we are offloading more and more of these decisions to artificial agents. Dr. Greenwald's research is aimed at building AI agents that make effective decisions in multi-agent--part human, part artificial--environments. The bulk of her efforts in this space have been relevant to economic domains, mostly in service of perfecting market designs. In this talk, she will discuss AI agent design in applications ranging from renewable energy markets to online ad exchanges to wireless spectrum auctions.

**Friday, July 21st, 11 a.m.—12 p.m.**

**Tutor Hall (RTH) 217**

Dr. Amy Greenwald is an Associate Professor of Computer Science at Brown University in Providence, Rhode Island. She studies game-theoretic and economic interactions among computational agents, applied to areas like autonomous bidding in wireless spectrum auctions and ad exchanges. In 2011, she was named a Fulbright Scholar to the Netherlands (though she declined the award). She was awarded a Sloan Fellowship in 2006; she was nominated for the 2002 Presidential Early Career Award for Scientists and Engineers (PECASE); and she was named one of the Computing Research Association's Digital Government Fellows in 2001. Before joining the faculty at Brown, Dr. Greenwald was employed by IBM's T.J. Watson Research Center. Her paper entitled "Shopbots and Pricebots" (joint work with Jeff Kephart) was named Best Paper at IBM Research in 2000.



Please RSVP to Hailey at [hwinetro@usc.edu](mailto:hwinetro@usc.edu) by July 19th