REFERENCES

[1] Albert-László Barabási and Réka Albert. 1999. Emergence of scaling in random networks. *Science* 286, 5439 (1999), 509–512.

[2] Yann Chevaleyre, Paul E Dunne, Ulle Endriss, Jérôme Lang, Michel Lemaitre, Nicolas Maudet, Julian Padget, Steven Phelps, Juan A Rodriguez-Aguilar, and Paulo Sousa. 2006. Issues in multiagent resource allocation. *Informatica* (2006), 3–31.

[3] Steven De Jong, Simon Uyttendaele, and Karl Tuyls. 2008. Learning to reach agreement in a continuous ultimatum game. *J. Artif. Intell. Res* 33 (2008), 551–574.

[4] Xinyang Deng, Qi Liu, Rehan Sadiq, and Yong Deng. 2014. Impact of roles assignation on heterogeneous populations in evolutionary dictator game. *Sci. Rep.* 4 (2014), 6937.

[5] Ernst Fehr and Urs Fischbacher. 2003. The nature of human altruism. *Nature* 425, 6960 (2003), 785.

[6] Werner Güth, Rolf Schmittberger, and Bernd Schwarze. 1982. An experimental analysis of ultimatum bargaining. *J. Econ. Behav. Organ.* 3, 4 (1982), 367–388.

[7] Nicholas R Jennings, Peyman Faratin, Alessio R Lomuscio, Simon Parsons, Carles Sierra, and Michael Wooldridge. 2001. Automated negotiation: prospects, methods and challenges. *Group Decis Negot* 10, 2 (2001), 199–215.

[8] Martin A Nowak, Karen M Page, and Karl Sigmund. 2000. Fairness versus reason in the ultimatum game. *Science* 289, 5485 (2000), 1773–1775.

[9] Ana Paiva, Fernando Santos, and Francisco Santos. 2018. Engineering pro-sociality with autonomous agents. In *Proceedings of the AAAI Conference on Artificial Intelligence*, Vol. 32.

[10] Amy R Pritchett and Antoine Genton. 2017. Negotiated decentralized aircraft conflict resolution. *IEEE T Intell Transp* 19, 1 (2017), 81–91.

[11] Iyad et al. Rahwan. 2019. Machine behaviour. *Nature* 568, 7753 (2019), 477–486.

[12] David G Rand, Corina E Tarnita, Hisashi Ohtsuki, and Martin A Nowak. 2013. Evolution of fairness in the one-shot anonymous Ultimatum Game. *Proc. Natl. Acad. Sci. USA* 110, 7 (2013), 2581–2586.

[13] Francisco C Santos, Marta D Santos, and Jorge M Pacheco. 2008. Social diversity promotes the emergence of cooperation in public goods games. *Nature* 454, 7201 (2008), 213.

[14] Fernando P Santos, Jorge M Pacheco, Ana Paiva, and Francisco C Santos. 2017. Structural power and the evolution of collective fairness in social networks. *PloS ONE* 12, 4 (2017), e0175687.

[15] Fernando P Santos, Jorge M Pacheco, Ana Paiva, and Francisco C Santos. 2019. Evolution of collective fairness in hybrid populations of humans and agents. In *Proc of AAAI'19*, Vol. 33. 6146–6153.

[16] Fernando P Santos, Francisco C Santos, Francisco S Melo, Ana Paiva, and Jorge M Pacheco. 2016. Dynamics of fairness in groups of autonomous learning agents. In *AAMAS'16 Workshops, Best Papers*. Springer, 107–126.

[17] Fernando P Santos, Francisco C Santos, Ana Paiva, and Jorge M Pacheco. 2015. Evolutionary dynamics of group fairness. *J Theor Biol* 378 (2015), 96–102.

[18] Hirokazu Shirado and Nicholas A Christakis. 2017. Locally noisy autonomous agents improve global human coordination in network experiments. *Nature* 545, 7654 (2017), 370–374.

[19] Hirokazu Shirado and Nicholas A Christakis. 2020. Network Engineering Using Autonomous Agents Increases Cooperation in Human Groups. *iScience* 23, 9 (2020), 101438.

[20] Arne Traulsen, Martin A Nowak, and Jorge M Pacheco. 2006. Stochastic dynamics of invasion and fixation. *Phys Rev E* 74, 1 (2006), 011909.

[21] Te Wu, Feng Fu, Yanling Zhang, and Long Wang. 2013. Adaptive role switching promotes fairness in networked ultimatum game. *Sci. Rep.* 3 (2013), 1550.