

# win.win | a negotiating agent for mutual benefit

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CCS Concepts: • **Computer systems organization** → **Embedded systems**; *Redundancy*; Robotics; • **Networks** → Network reliability.

Additional Key Words and Phrases: multi-agent systems, agent negotiation, mutual benefit, simulation, utility, social welfare

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## 1 INTRODUCTION

### 1.1 Evaluating Fairness

For Agent A, ... would be most fair holiday arrangement.  
For Agent B, ... would be most fair holiday arrangement.  
We argue, this is because ...

### 1.2 Evaluating MINIMUM\_TARGET

For RandomBidderExample negotiating with RandomBidderExample, Pareto optimal outcome is (reached/not reached) with MINIMUM\_TARGET value (X). We argue, this is because ...

For BoulwareNegotiationParty negotiating with ConcederNegotiationParty, Pareto optimal outcome is (reached/not reached) with MINIMUM\_TARGET value (X). We argue, this is because ...

## 2 METHODS

### 2.1 Previous Work

## 3 RESULTS

### 3.1 Analysis

## 4 DISCUSSION

### 4.1 Conclusion

## 5 ACKNOWLEDGMENTS

## REFERENCES

## A APPENDIX1

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