

Preface

Advances in AI have enabled decision support systems to assume substantive roles in supporting human operators of complex systems. As such systems become more capable of autonomous performance, they must engage more fully with human operators negotiating tasks assignments, anticipating near-term needs, and proactively providing information, analysis, and alerts. Work in intent inference has shed much light on how automation systems can be given some measure of understanding of their users' tasks and needs. Research into task analysis and modeling, intelligent software agents, functional state measurement, and dialog management has helped fuel the development of intent-aware systems. In this symposium, we have brought together researchers throughout the community to foster the emerging discipline of intent inference for individuals, teams, and adversaries. Our goal is to promote the development of intent-aware decision support for multi-operator complex systems. The symposium covers a wide range area of interests from adversarial and cognitive models to task analysis and team planning, and from agents and gaming with cognitive models to plan recognition.

Overall, the symposium is a success due to efforts of many people. We sincerely thank the organizing committee, program committee and all of participants, authors and invitees who made this symposium possible. We also especially thank Hien Nguyen of her great organizational and administrative support.

Symposium co-chairs
Eugene Santos Jr.
Benjamin Bell