

# Kartik Talamadupula

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## Contact Information

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Citations: [Google Scholar - Kartik Talamadupula](#)  
LinkedIn: [LinkedIn - Kartik Talamadupula](#)

## Education

- Ph.D. Computer Science, Arizona State University.
- B.S. Computer Science (*Summa cum Laude*), Arizona State University.

## Professional Experience

***Director of AI Research*** 2023–Present  
Symbl.ai

Leading AI Research for Symbl’s flagship product, the Nebula LLM. Cross-functional collaboration with product, engineering, and AI teams to develop Symbl’s AI roadmap; augmenting the CTO to accelerate company objectives in AI; building programs for external community and research partnerships; accelerating the company’s customer-centric goals.

***Senior Research Scientist, Technical Lead*** 2022–2023  
**Integration for IBM Automation**  
IBM Research AI

Leading the delivery of AI infusions into IBM’s automation product portfolio: communicating horizontally and vertically with multiple stakeholders (product, engineering, design, communications) and levels (executive, leads, development, research) to define an agenda and time-bound roadmap for delivery of features; execution of plans and feature delivery and user feedback.

***Research Science Manager*** 2021–2023  
**AI Composition Lab**  
IBM Research AI

Managing a multi-person, multi-disciplinary team (people manager) of AI research scientists, research software engineers, software architects, and research interns working on delivering AI infusions into IBM’s AI-powered automation product family.

***Research Scientist, Technical Lead*** 2020–2022  
IBM Research AI

Leading a team (technical program manager) of AI research scientists, software engineers, designers, and HCI professionals towards applying and adapting state-of-the-art Artificial Intelligence (AI) techniques to business process automation usecases such as command line automation, source code translation, and automation of business workflows.

***Research Scientist, Challenge Lead*** 2018–2020  
**AI Science: Reasoning**  
IBM Research AI

Conducted research to design fundamentally new ways for broadening the scope of knowledge that can be directly manipulated and used by NLP systems.

***Research Staff Member*** 2014–2018  
IBM T.J. Watson Research Center

Worked on adding AI planning and sequential decision-making support to human-agent collaborative systems. Prior to that, applied automated planning, recurrent neural networks, and reinforcement learning techniques to problems in the space of automated dialog modeling, tracking, and generation.

## Honors and Awards

- Association for the Advancement of Artificial Intelligence (AAAI) [Senior Member](#), 2021
- Best *Senior Program Committee (SPC)* Member Award, AAAI 2021
- Nominee, [AAAI Executive Council](#), 2020
- Best Paper Award, MRQA Workshop at ACL 2018.
- Runner Up, Best Technical Demonstration Award, ICAPS 2018.
- Best Technical Demonstration Award, AAAI 2018.
- University Graduate Fellowship Award (Summer 2013).
- Science Foundation Arizona (SFAz) Fellow, 2008-2010.
- Honorable Mention, Computing Research Association (CRA) Outstanding Undergraduate Student Awards 2008.
- Department of Computer Science Distinguished Undergraduate Senior Award, 2008.
- [Fulton Undergraduate Research Initiative \(FURI\)](#) Fellow, 2008.

## Research Service

- **Program Chair:** ICAPS 2021 (Novel Applications Track)
- **Chair:** AAAI 2021 Systems Demonstration Program
- **Applied AI Officer:** ACM Special Interest Group on AI ([SIGAI](#))
- **Organizer:** KR2ML Workshop (NeurIPS 2020, NeurIPS 2019); KBRL Workshop (IJCAI 2020); RCQA Workshop (AAAI 2020, AAAI 2019); SPARK Workshop (ICAPS 2019, ICAPS 2018, ICAPS 2017); UISP Workshop (ICAPS 2017); Human-Aware AI (HAAI) Workshop (AAAI 2017); Cognitive Computing Workshop (IJCAI 2016)
- **Artificial Intelligence Professional Interest Community (PIC)**, IBM Research: Chair, Jul 2015–Nov 2016
- **Area Chair:** AAAI 2023; AAAI 2022; IJCAI 2021
- **Senior Program Committee:** IJCAI 2022; IJCAI 2021; AAAI 2021; AAAI 2020; AAAI 2019; AAAI 2018; IJCAI 2017; IJCAI 2016
- **Program Committee:** ICAPS 2019; ICAPS 2018; ACS 2018; ICWSM 2018; WWW 2018; CHI 2018; ICAPS 2017; AAAI 2017; ICWSM 2017; WWW 2017; AAAI 2016; ICWSM 2015; AAAI 2015; AAAI 2014; ICWSM 2014; ACM Multimedia 2013; CP4PS Workshop, AAAI 2012; TAMPRA Workshop, ICAPS 2012
- **Auxiliary Reviewer:** WSDM 2014; AAAI 2011; ICAPS 2009.

## Patents: Filed

A System and Method for Interpretable Knowledge Contextualization by Reweighting Knowledge Graphs; K.P. Fadnis, K. Talamadupula, P. Kapanipathi, A. Fokoue-Nkoutche.

System and Method for Infusing Knowledge into NLP Tasks Using Graph Structure; P. Kapanipathi, K. Talamadupula, V. Thost, A. Fokoue-Nkoutche, A. Balakrishnan B. Makni, R.C. Gunasekara, I. Abdelaziz, K.P. Fadnis, M. Chang, N. Mattei, S.S. Patel.

Method and System for Pluggable AI Skills in a CLI Environment; M. Agarwal, J.J. Barroso, T. Chakraborti, E.M. Dow, K.P. Fadnis, B. Godoy, K. Talamadupula.

System and Method for Benchmarking of Decision Support Agents in Sandbox Environments; T. Chakraborti, K. Talamadupula, K.P. Fadnis, M. Campbell, B. Srivastava.

System and method for integrating multiple-domain learning and personalization in dialog systems for a single user; A. Kishimoto, O. Alkan, A. Botea, E. Daly, M. Davis, V. Liao, R. Marinescu, B. Srivastava, K. Talamadupula, and Y. Zhang.

System and method for integrating multiple-domain problem solving in dialog systems for a single use; A. Botea, O. Alkan, E. Daly, M. Davis, A. Kishimoto, V. Liao, R. Marinescu, B. Srivastava, K. Talamadupula, and Y. Zhang.

### Patents: Granted

A System and Method for Conducting Multi-Agent Automated Dialogs; B. Srivastava, and K. Talamadupula; Patent No. 93558673.

System and Method for Learning Actionable Domain Models of Plans from Online Data; S. Sohrabi, L. Manikonda, A. Riabov, K. Talamadupula, B. Srivastava, and D. Turaga; Patent No. 93559340.

System and Method for Learning Personalized Actionable Domain Models of Plans from Online Traces and a Person's Social Network; S. Sohrabi, K. Talamadupula, L. Manikonda, and B. Srivastava; Patent No. 93560680.

### Mentoring Experience

- Mentored T. Chakraborti to 2016 & 2017 IBM Ph.D. Fellowships and summer internships.
- Graduate Mentor to S. Sethia, recipient of the [FURI Fellowship](#), Spring 2014.
- Army Research Office (ARO) [URAP](#) Graduate Mentor, 2014.
- Mentored S. Ravikumar (Amazon, Inc.) & M. Vijayakumar (Esri) to Masters (M.S.) thesis.

### Relevant Coursework

- **Graduate:** Stochastic Dynamic Programming; Advanced Geometric Modeling; Software Verification, Validation & Testing; Applied Cryptography; Artificial Intelligence; Combinatorial Algorithms; Game Theory; Multi-Agent Systems; Machine Learning; Social Computing & Web Analytics; Randomized & Approximation Algorithms; Planning & Learning Methods in AI; Theory of Computation.
- **Undergraduate:** Computer Systems Security; Software Engineering & Project Management; Operating Systems; Multimedia Information Systems; Intro to Artificial Intelligence; Design & Analysis of Algorithms; Principles of Programming Languages; Probability & Statistics; Data Structures; Computer Organization & Architecture; Intro to Theory of Computation; Intro to Software Engineering; Assembly & Microprocessor Programming; Digital Design Fundamentals.

### Publications

Note: **A full, up-to-date list of recent publications may be obtained from my [Google Scholar page](#).** In contrast, the list below may be out of date at times, but offers a categorization into *journal articles*, *refereed conference proceedings*, *refereed workshop proceedings*, and *refereed systems demonstrations & exhibits*; and relevant presentation and award annotations where applicable.

### Publications: Journal Articles

An Embodied Cognitive Assistant for Visualizing and Analyzing Exoplanet Data; J.O. Kephart, V.C. Dibia, J. Ellis, B. Srivastava, K. Talamadupula, and M. Dholakia; IEEE Internet Computing Journal (Special Issue on Cognitive Services and Intelligent Chatbots) (2018).

Architectural Mechanisms for Handling Human Instructions for Open-World Mixed-Initiative Team Tasks and Goals; K. Talamadupula, G. Briggs, M. Scheutz, and S. Kambhampati; Advances in Cognitive Systems (ACS) Journal; Vol. 5 (2017); pp. 37-56.

*Herding the Crowd: Using Automated Planning for Better Crowdsourced Planning*; L. Manikonda, T. Chakraborti, K. Talamadupula, and S. Kambhampati; *Human Computation Journal (HCJ)*; Vol. 4, No. 1 (2017).

Planning for Human-Robot Teaming in Open Worlds; K. Talamadupula, J. Benton, S. Kambhampati, P. Schermerhorn, M. Scheutz; In the *ACM Transactions on Intelligent Systems and Technology (TIST)*; November 2010.

### **Publications: Refereed Conferences**

Infusing Knowledge into the Textual Entailment Task Using Graph Convolutional Networks; P. Kapanipathi, V. Thost, S.S. Patel, S. Whitehead, I. Abdelaziz, A. Balakrishnan, M. Chang, K.P. Fadnis, R.C. Gunasekara, B. Makni, N. Mattei, K. Talamadupula, A. Fokoue; In *Proceedings of the AAAI Conference on Artificial Intelligence (Vol. 34)*, 2020.

Answering Science Exam Questions Using Query Reformulation with Background Knowledge; R. Musa, X. Wang, A. Fokoue, N. Mattei, M. Chang, P. Kapanipathi, B. Makni, K. Talamadupula, and M. Witbrock; In *Proceedings of the Automated Knowledge Base Construction (AKBC) Conference*, 2019.

Improving Natural Language Inference Using External Knowledge in the Science Questions Domain; Wang, X., Kapanipathi, P., Musa, R., Yu, M., Talamadupula, K., Abdelaziz, I., Chang, M., Fokoue, A., Makni, B., Mattei, N. and Witbrock, M.; In *Proceedings of the AAAI Conference on Artificial Intelligence (Vol. 33, pp. 7208-7215)*.

Towards Cognitive-and-Immersive Systems: Experiments in a Shared (or common) Blockworld Framework; M. Peveler, B. Srivastava, K. Talamadupula, N. S. Govindarajulu, S. Bringsjord, and H. Su; In *Advances in Cognitive Systems (ACS)* 2018.

The Limits of Abstract Evaluation Metrics: The Case of Hate Speech Detection; A. Olteanu, K. Talamadupula, and K.R. Varshney; In the *proceedings of WebScience (WebSci)* 2017.

Learning to Query, Reason, and Answer Questions on Ambiguous Texts; X. Guo, T. Klinger, C. Rosenbaum, J.P. Bigus, M. Campbell, B. Kawas, K. Talamadupula, G. Tesauro, and S. Singh; In the *proceedings of the International Conference on Learning Representations (ICLR)* 2017.

*UbuntuWorld 1.0 LTS - A Platform for Automated Problem Solving and Troubleshooting in the Ubuntu OS*; T. Chakraborti, K. Talamadupula, K.P. Fadnis, M. Campbell, and S. Kambhampati; In the *proceedings of IAAI/AAAI*, 2017.

Multiresolution Recurrent Neural Networks: An Application to Dialogue Response Generation; I.V. Serban, T. Klinger, G. Tesauro, K. Talamadupula, B. Zhou, Y. Bengio, and A. Courville; In the *proceedings of AAAI*, 2017; and the *NIPS CoCo Workshop*, 2016. *Finalist, 2017 IBM Pat Goldberg Memorial Best Paper Competition*

A Knowledge Driven Policy Framework for Internet of Things; E. Goynugur, G.R. De Mel, M. Sensoy, K. Talamadupula, and S. Calo; *International Conference on Agents and Artificial Intelligence (ICAART)* 2017.

Planning for Serendipity; T. Chakraborti, G. Briggs, K. Talamadupula, M. Scheutz, D. E. Smith, S. Kambhampati; In the *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2015.

TweetSense: Context Recovery for Orphan Tweets by Exploiting Social Signals in Twitter; M. Vijayakumar; T. M. Umamaheshwar; K. Talamadupula, S. Kambhampati; In the *ACM Web Science*

Conference, 2015 (Poster).

Predicting User Engagement on Twitter with Real-World Events; Y. Hu, S. Farnham, K. Talamadupula; In the 9th AAAI International Conference on Weblogs and Social Media (ICWSM), 2015.

Coordination in Human-Robot Teams Using Mental Modeling and Plan Recognition; K. Talamadupula, G. Briggs, T. Chakraborti, M. Scheutz, S. Kambhampati; In the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2014.

*AI-MIX*: How a Planner Can Help Guide Humans Towards a Better Crowdsourced Plan; L. Manikonda, T. Chakraborti, S. De, K. Talamadupula, S. Kambhampati; In the Twenty-Sixth Annual Conference on Innovative Applications of Artificial Intelligence (IAAI), 2014.

EasyChair as a Pedagogical Tool; K. Talamadupula, S. Kambhampati; In the Fifth AAAI Symposium on Educational Advances in AI (EAAI), 2014.

Architectural Mechanisms for Handling Human Instructions in Open-World Mixed-Initiative Team Tasks; K. Talamadupula, G. Briggs, M. Scheutz, S. Kambhampati; In the Second Annual Conference on Advances in Cognitive Systems (ACS), December 2013.

*Herding the Crowd*: Automated Planning for Crowdsourced Planning; K. Talamadupula, S. Kambhampati, Y. Hu, T. Nguyen, H. H. Zhuo; In the First International Conference on Human Computation (HCOMP) WiP Track, 2013.

*RAProp*: Ranking Tweets by Exploiting the Tweet/User/Web Ecosystem and Inter-Tweet Agreement; S. Ravikumar, K. Talamadupula, R. Balakrishnan, S. Kambhampati; In the ACM International Conference on Information and Knowledge Management (CIKM), 2013.

*RAProp*: Ranking Tweets by Exploiting the Tweet/User/Web Ecosystem and Inter-Tweet Agreement; S. Ravikumar, K. Talamadupula, R. Balakrishnan, S. Kambhampati; In the Proceedings of the 27th AAAI Conference (AAAI) LBP Track, 2013.

*Dude, srsly?*: The Surprisingly Formal Nature of Twitter's Language; Y. Hu, K. Talamadupula, S. Kambhampati; In the Proceedings of the 7th International AAAI Conference on Weblogs and Social Media (ICWSM), 2013.

*Tell Me When and Why to Do It!*: Run-time Planner Model Updates via Natural Language Instruction; R. Cantrell, K. Talamadupula, P. Schermerhorn, J. Benton, S. Kambhampati, M. Scheutz; In the Proceedings of the 7th ACM/IEEE International Conference on Human-Robot Interaction (HRI), 2012.

Integrating a Closed World Planner with an Open World Robot; K. Talamadupula, J. Benton, P. Schermerhorn, S. Kambhampati, M. Scheutz; In the Proceedings of the 24th AAAI Conference on Artificial Intelligence (AAAI), 2010.

G-value Plateaus: A Challenge for Planning; J. Benton, K. Talamadupula, P. Eyerich, R. Mattmüller, S. Kambhampati; In the Proceedings of the 20th International Conference on Automated Planning and Scheduling (ICAPS), 2010.

Finding and Exploiting Goal Opportunities in Real-time during Plan Execution; P. Schermerhorn, J. Benton, M. Scheutz, K. Talamadupula, S. Kambhampati; In the IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2009.

Evaluating Temporal Planning Domains; W. Cushing, D. S. Weld, Mausam, S. Kambhampati, K.

Talamadupula; In the Proceedings of the 17th International Conference on Automated Planning and Scheduling (ICAPS), 2007.

### **Publications: Workshops & Technical Reports**

When Is It Morally Acceptable to Break the Rules? A Preference-Based Approach; A. Loreggia, E. Awad, M. Kleiman-Weiner, S. Levine, N. Mattei, I. Rahwan, F. Rossi, K. Talamadupula, J. Tenenbaum; Accepted for presentation at the Twelfth Multidisciplinary Workshop on Advances in Preference Handling (M-PREF) at the European Conference on AI (ECAI), 2020.

A Systematic Classification of Knowledge, Reasoning, and Context within the ARC Dataset; M. Boratko, H. Padigela, D. Mikkilineni, P. Yuvraj, R. Das, A. McCallum, M. Chang, A. Fokoue, P. Kapanipathi, N. Mattei, R. Musa, K. Talamadupula, and M. Witbrock; In the ACL 2018 Machine Reading for Question Answering (MRQA) Workshop. *Best Paper Award*

Visualizations for an Explainable Planning Agent; T. Chakraborti, K.P. Fadnis, K. Talamadupula, M. Dholakia, B. Srivastava, J.O. Kephart, and R.K.E. Bellamy; In the ICAPS 2018 Explainable AI Planning (XAIP) Workshop; and the ICAPS 2018 User Interfaces and Planning and Scheduling (UISP) Workshop.

NL2PDDL: A Conversational Interface for Model Generation and Iteration; K.P. Fadnis and K. Talamadupula; In the ICAPS 2018 User Interfaces and Planning and Scheduling (UISP) Workshop.

User Interfaces and Scheduling and Planning: Workshop Summary and Proposed Challenges; R.G. Freedman, T. Chakraborti, K. Talamadupula, D. Magazzeni, and J.D. Frank; AAAI Spring Symposium Series 2018.

Tentacular Artificial Intelligence, and the Architecture Thereof, Introduced; S. Bringsjord, N.S. Govindarajulu, A. Sen, M. Peveler, B. Srivastava, and K. Talamadupula; In the IJCAI 2018 AEGAP Workshop.

Workflow Complexity for Collaborative Interactions: *Where are the Metrics?*; K. Talamadupula, B. Srivastava, and J.O. Kephart; In the ICAPS 2017 Workshop on User Interfaces and Scheduling and Planning (UISP).

Extracting Incomplete Planning Action Models from Unstructured Social Media Data to Support Decision Making; Manikonda, L., Sohrabi, S., Talamadupula, K., Srivastava, B., and Kambhampati, S.; In the ICAPS 2017 Workshop on Knowledge Engineering for Planning and Scheduling (KEPS).

Automatic Resolution of Policy Conflicts in IoT Environments Through Planning; E. Goynugur, K. Talamadupula, G.R. de Mel, and M. Sensoy; In the proceedings of the ICAPS Scheduling and Planning Applications Workshop (SPARK), 2016.

A Formal Framework for Studying Interaction in Human-Robot Societies; T. Chakraborti, K. Talamadupula, Y. Zhang, S. Kambhampati; In the Symbiotic Cognitive Systems Workshop at AAAI, 2016.

Planning for Serendipity - Altruism in Human-Robot Cohabitation; T. Chakraborti, G. Briggs, K. Talamadupula, M. Scheutz, D. E. Smith, S. Kambhampati; In the PlanRob Workshop at ICAPS, 2015.

*The Metrics Matter!*: On the Incompatibility of Different Flavors of Replanning; K. Talamadupula, D. E. Smith, S. Kambhampati; arXiv Technical Report 1405.2883, 2014.

*AI-MIX*: How a Planner Can Help Guide Humans Towards a Better Crowdsourced Plan; L. Manikonda,

T. Chakraborti, S. De, K. Talamadupula, S. Kambhampati; In the ICAPS 2014 Scheduling and Planning Applications Workshop (SPARK).

*Herding the Crowd: Automated Planning for Crowdsourced Planning*; K. Talamadupula, S. Kambhampati; arXiv Technical Report 1307.7720, 2013.

Strategic Planning for Network Data Analysis; K. Talamadupula, O. Udrea, A. Riabov, A. Ranganathan; arXiv Technical Report 1305.2561, 2013.

On the Many Interacting Flavors of Planning for Robotics; K. Talamadupula, M. Scheutz, G. Briggs, S. Kambhampati; In the ICAPS 2013 Planning and Robotics (PlanRob) Workshop.

A Theory of Intra-Agent Replanning; K. Talamadupula, D. E. Smith, W. Cushing, S. Kambhampati; In the ICAPS 2013 Workshop on Distributed and Multi-Agent Planning (DMAP).

Planning for Human-Robot Teaming; K. Talamadupula, S. Kambhampati, P. Schermerhorn, J. Benton, M. Scheutz; In the ICAPS 2011 Scheduling and Planning Applications Workshop (SPARK).

Integrating a Closed World Planner with an Open World Robot: A Case Study; K. Talamadupula, J. Benton, P. Schermerhorn, S. Kambhampati, M. Scheutz; In the ICAPS 2009 Workshop on Bridging the Gap between Task and Motion Planning (BTAMP).

Evaluating Temporal Planning Domains; William Cushing, Daniel S. Weld, Mausam, Subbarao Kambhampati, Kartik Talamadupula; In the ICAPS 2007 Workshop on the International Planning Competition: Past, Present and Future.

### **Systems Demonstrations & Exhibits**

An Interface for Annotating Science Questions; M. Boratko, H. Padigela, D. Mikkilineni, P. Yuvraj, R. Das, A. McCallum, M. Chang, A. Fokoue, P. Kapanipathi, N. Mattei, R. Musa, K. Talamadupula, and M. Witbrock; EMNLP System Demonstration Program (2018).

Visualizations for an Explainable Planning Agent; T. Chakraborti, K.P. Fadnis, K. Talamadupula, M. Dholakia, B. Srivastava, J.O. Kephart, and R.K.E. Bellamy; In the ICAPS 2018 Systems Demonstrations Program. *ICAPS 2018 Best Demo Award Runner Up*

NL2PDDL: A Conversational Interface for Model Generation and Iteration; K.P. Fadnis and K. Talamadupula; In the ICAPS 2018 Systems Demonstrations Program.

A Cognitive Assistant for Visualizing and Analyzing Exoplanet Data; J. O. Kephart, V.C. Dibia, J. Ellis, B. Srivastava, K. Talamadupula, and M. Dholakia; In the AAAI 2018 Systems Demonstrations Program. *AAAI 2018 Best Technical Demonstration Award*

*AI-MIX*: How a Planner Can Help Guide Humans Towards a Better Crowdsourced Plan; L. Manikonda, T. Chakraborti, S. De, K. Talamadupula, S. Kambhampati; ICAPS 2014 Systems Demonstrations and Exhibits. *ICAPS 2014 Best Demo Award*

*Teach Me How To Work*: Natural Language Model Updates and Action Sequencing; S. Sethia, K. Talamadupula, S. Kambhampati; ICAPS 2014 Systems Demonstrations and Exhibits.

Planning for Agents with Changing Goals; K. Talamadupula, P. Schermerhorn, J. Benton, S. Kambhampati, M. Scheutz; ICAPS 2011 Demonstrations and Exhibits Program. *Placed 3rd for Best Demo*

### **Workshops Organized**

[Knowledge Representation & Reasoning Meets Machine Learning \(KR2ML\) 2020](#); V. Thost, K.

Talamadupula, V. Srikumar, C. Zhang, J. Tenenbaum; In the Thirty Fourth Conference on Neural Information Processing Systems (NeurIPS), 2020.

[Knowledge Based Reinforcement Learning \(KBRL\) Workshop 2020](#); A. Munawar, K. Talamadupula, M. Cote, X. Yuan, H. Mori; In the Twenty Ninth International Joint Conference on Artificial Intelligence (IJCAI), 2020.

[Reasoning for Complex Question Answering \(RCQA\) 2020](#); K. Talamadupula, V. Shwartz, J. Pujara, R. Rudinger, Mausam, N. Peng, P. Kapanipathi; In the Thirty Fourth AAAI Conference on Artificial Intelligence (AAAI), 2020.

[Knowledge Representation & Reasoning Meets Machine Learning \(KR2ML\) 2019](#); V. Thost, C. Muise, K. Talamadupula, S. Singh, C. Re; In the Thirty Third Conference on Neural Information Processing Systems (NeurIPS), 2019.

[User Interfaces for Building Knowledge \(UIBK\) 2019](#); J. Christensen, J. Bae, B. Watson, K. Talamadupula, J. Spjut, S. Joines; In the Twenty Fourth International Conference on Intelligent User Interfaces (IUI), 2019.

[Reasoning for Complex Question Answering \(RCQA\) 2019](#); K. Talamadupula, P. Kapanipathi, R. Das, Mausam, P. Clark, M. Witbrock; In the Thirty Third AAAI Conference on Artificial Intelligence (AAAI), 2019.

[Scheduling & Planning Applications Workshop \(SPARK\) 2019](#); S. Bernardini, S. Parkinson, K. Talamadupula, N. Yorke-Smith; In the Twenty Ninth International Conference on Automated Planning and Scheduling (ICAPS), 2018.

[Scheduling & Planning Applications Workshop \(SPARK\) 2018](#); S. Bernardini, S. Parkinson, K. Talamadupula; In the Twenty Eighth International Conference on Automated Planning and Scheduling (ICAPS), 2018.

[Human-Aware Artificial Intelligence \(HAAI-17\)](#); K. Talamadupula et al.; In the Thirty First AAAI Conference on Artificial Intelligence (AAAI), 2017.

[Scheduling & Planning Applications Workshop \(SPARK\) 2017](#); S. Bernardini, S. Parkinson, S. Sohrabi, K. Talamadupula; In the Twenty Seventh International Conference on Automated Planning and Scheduling (ICAPS), 2017.

[Closing the Cognitive Loop: Third Workshop on Knowledge, Data, and Systems for Cognitive Computing](#); K. Talamadupula, S. Sohrabi, M. Campbell; In the Twenty Fifth International Joint Conference on Artificial Intelligence (IJCAI), 2016.

## **Refereed Tutorials**

[Human-in-the-Loop Planning and Decision Support](#); S. Kambhampati, K. Talamadupula; In the Twenty Ninth AAAI Conference on Artificial Intelligence (AAAI), 2015.