

CURRICULUM VITAE

SHASHANK SHEKHAR

Ph.D. (*ongoing*)

Advisor: Prof. Ronen I. Brafman

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(a) EDUCATION

BGU of the Negev, Beer Sheva	Multi-Agent Planning	Ph.D. [October 2016 - (<i>ongoing</i>)]
IIT Madras, Chennai	CS (<i>Artif. Intell.</i>)	M.S. (<i>by Research</i>) [2013 - 2016]
GGSIPIU, Delhi	Information Technology	B.Tech. (<i>distinction</i>) [2007 - 2011]

(b) WORK EXPERIENCE

Infosys Limited, Mangalore, India Java, C# developer System Engineer-I [2011 - 2012]

(c) LIST OF PUBLICATIONS

Related to my Ph.D. thesis (**Thesis Title:** “Collaborative Multi-Agent Planning”)

1. Shashank Shekhar, Ronen I. Brafman, and Guy Shani, Improved knowledge modeling and its use for signaling in multi-agent planning with partial observability, in *Proceedings of the Thirty-Fifth AAAI Conference on Artificial Intelligence, AAAI’21, (to appear)*, (2021).
2. Shashank Shekhar and Ronen I. Brafman, Representing and planning with interacting actions and privacy, *Artif. Intell.* **278**, ([10.1016/j.artint.2019.103200](https://doi.org/10.1016/j.artint.2019.103200)) (2020).
3. Shashank Shekhar, Ronen I. Brafman, and Guy Shani, A factored approach to deterministic contingent multi-agent planning, in *Proceedings of the Twenty-Ninth International Conference on Automated Planning and Scheduling, ICAPS 2019, Berkeley* (2019) pp. 419–427.
4. Shashank Shekhar and Ronen I. Brafman, Representing and planning with interacting actions and privacy, in *Proceedings of the Twenty-Eighth International Conference on Automated Planning and Scheduling, ICAPS 2018, Delft, The Netherlands* (2018) pp. 232–240.

Other relevant publications (*also includes papers I published during my M.S.*)

5. Tomer Shahr, Shashank Shekhar, Dor Atzmon, Abdallah Saffidine, Brendan Juba, and Roni Stern, Safe multi-agent pathfinding with time uncertainty, *J. Artif. Intell. Res. (to appear in JAIR)* (2021).
6. Shashank Shekhar and Deepak Khemani, Learning and tuning meta-heuristics in plan space planning, *CoRR* [abs/1601.07483](https://arxiv.org/abs/1601.07483) (2016).
7. Shashank Shekhar and Deepak Khemani, Improving heuristics on-the-fly for effective search in plan space, in *KI 2015: Advances in Artificial Intelligence - 38th Annual German Conference on AI, Dresden, Germany, September 21-25, 2015, Proceedings*, Vol. 9324 (Springer, 2015) pp. 302–308.
8. Shashank Shekhar and Deepak Khemani, Extending and tuning heuristics for a partial order causal link planner, in *Mining Intelligence and Knowledge Exploration - Third International Conference, MIKE 2015, 2015, Proceedings*, Vol. 9468 (Springer, 2015) pp. 81–92.

Workshop publications

1. **Shashank Shekhar**, Ronen I. Brafman, and Guy Shani, Signaling in contingent multi-agent planning, in *Online Proceedings of EpiP'20, Workshop*, ICAPS'20 (2020).
2. Or Wertheim, Ronen I. Brafman, **Shashank Shekhar**, Tal Feiner, and Igal Pinsky, ROS-POMDP – A Platform for Robotics Planning using PLPs and RDDDL in ROS, in *Online Proceedings of PlanRob'20, Workshop*, ICAPS'20 (2020).
3. Tomer Shahr, **Shashank Shekhar**, Dor Atzmon, Abdallah Saffidine, Brendan Juba, and Roni Stern, Safe Multi-Agent Pathfinding with Time Uncertainty, in *Online Proceedings of WoMAPF'20, Workshop*, IJCAI'20 (2020) (*to appear*).

Conference paper(s) (UNDER REVIEW)

1. Alexander Kovalchuk, **Shashank Shekhar**, and Ronen Brafman, Verifying Plans and Scripts for Robotics Tasks Using Performance Level Profiles, (*submitted to ICAPS 2021*).

(d) SKILLS

Programming Languages	Java, C#, C++, Python
Tools and Systems	ROS, Linux, TensorFlow/Pytorch, Git

(e) SYNERGISTIC ACTIVITIES

AAAI'21 I served on the Program Committee.

DMAP'20 @ICAPS I co-organized the Workshop on Distributed and Multi-Agent Planning.
I also served on the Program Committee.

(f) REFERENCES

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Ph.D. Advisor

Guy Shani

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M.S. Advisor