

SHASHANK SHEKHAR

PERSONAL INFORMATION

<i>Nationality</i>	Indian
<i>Website</i>	https://shekharsai.github.io/
<i>Address</i>	4 Alexander Yannai, Beer-Sheva, Israel - 8455902
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EDUCATION

<i>Postdoctoral Researcher</i>	March 2021 -	Ben-Gurion University of the Negev, Israel The Department of Computer Science working with Prof. Ronen I BRAFMAN
	2016-2021	Ben-Gurion University of the Negev, Israel The Department of Computer Science Thesis: <i>Collaborative Multi-Agent Planning with Partial Observability and Interacting actions</i> (submitted in March) Advisor: Prof. Ronen I BRAFMAN
<i>Doctor of Philosophy (Ph.D.)</i>	2013-2016	Indian Institute of Technology Madras Department of Computer Science & Engineering Thesis: <i>Learning and Strengthening Meta-Heuristics in Plan-Space Planning</i> Advisor: Prof. Deepak KHEMANI
	2007-2011	Guru Gobind Singh Indraprastha University Department of Information Technology, CBPGEC Delhi Information Technology (<i>with distinction</i>)

SKILLS

<i>Software</i>	Java, C#, C++, Python, Linux, ROS, OpenCV, PCL, Pytorch, TensorFlow, Git
<i>Research</i>	Automated Planning, Multi-Agent Systems, Robotics, Decision Making Under Uncertainty, Machine Learning, Reinforcement Learning, Self-Driving Car

WORK EXPERIENCE

<i>Infosys Limited</i>	2011-2012	System Engineer, INFOSYS LIMITED, India
		Java and C# developer, Mangalore DC, Karnataka

1. JOURNAL PUBLICATION(S)

<i>J. Artif. Intell. Res.</i>	2021	<i>Safe multi-agent pathfinding with time uncertainty</i> Authors: Tomer SHAHAR, Shashank SHEKHAR , Dor ATZMON, Abdallah SAFFIDINE, Brendan JUBA, and Roni STERN
	2020	<i>Representing and planning with interacting actions and privacy</i> Authors: Shashank SHEKHAR and Ronen I. BRAFMAN

2. CONFERENCE PUBLICATION(S)

2021 *Verifying plans and scripts for robotics tasks using performance level profiles*

ICAPS

Authors: Alexander KOVALCHUK, **Shashank** SHEKHAR, and Ronen BRAFMAN

2021 *Improved knowledge modeling and its use for signaling in multi-agent planning with partial observability*

AAAI

Authors: **Shashank** SHEKHAR, Ronen I. BRAFMAN, and Guy SHANI

2019 *A factored approach to deterministic contingent multi-agent planning*

ICAPS

Authors: **Shashank** SHEKHAR, Ronen I. BRAFMAN, and Guy SHANI

2018 *Representing and planning with interacting actions and privacy*

ICAPS

Authors: **Shashank** SHEKHAR and Ronen I. BRAFMAN

2016 *Learning and tuning meta-heuristics in plan space planning*

ArXiv (informal)

Authors: **Shashank** SHEKHAR and Deepak KHEMANI

2015 *Improving heuristics on-the-fly for effective search in plan space*

KI (German Conference on AI)

Authors: **Shashank** SHEKHAR and Deepak KHEMANI

3. WORKSHOP PUBLICATION(S)

2020 *Signaling in contingent multi-agent planning*

EpiP @ICAPS
2020

Authors: **Shashank** SHEKHAR, Ronen I. BRAFMAN, and Guy SHANI

2020 *ROS-POMDP - A Platform for Robotics Planning using PLPs and RDDDL in ROS*

PlanRob
@ICAPS 2020

Authors: Or WERTHEIM, Ronen I. BRAFMAN, **Shashank** SHEKHAR, Tal FEINER, and Igal PINSKY

2020 *Safe multi-agent pathfinding with time uncertainty*

WoMAPF
@IJCAI 2020

Authors: Tomer SHAHAR, **Shashank** SHEKHAR, Dor ATZMON, Abdallah SAFFIDINE, Brendan JUBA, and Roni STERN

SYNERGISTIC ACTIVITIES

AAAI

(2021) · I served on the Program Committee.

DMAP @ICAPS

(2020) · I co-organized the Workshop on Distributed and Multi-Agent Planning.

REFERENCES

Ronen I. Brafman

Ph.D. Advisor · Professor, The Dept. of Comp. Sci., BGU of the Negev, Beer Sheva, Israel, *Email:* brafman@cs.bgu.ac.il

Guy Shani

Ph.D. Committee Member · Faculty member, The Dept. of SISE, BGU of the Negev, Beer Sheva, Israel, *Email:* shanigu@bgu.ac.il

Roni Stern

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