

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 on Decision Making under Uncertainty
	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, Delhi Information Technology (<i>with distinction</i>)
<i>Master of Science (M.S.) by Research</i>		
<i>Bachelor of Technology</i>		

SKILLS

<i>Software</i>	Java, C#, C++, Python, Linux, ROS, OpenCV, PCL, Pytorch, TensorFlow, Git
<i>Planning Languages</i>	(Multi Agent-)PDDL, (Multi Agent-)STRIPS, Action Description Language (ADL), and RDDDL
<i>Research Interests</i>	Multi-Agent Systems, AI Planning, Pathfinding, Heuristic Search, Robotics, Decision Making under Uncertainty, Learning, Epistemic Planning, Human-Robot Interaction, Reinforcement Learning, Intelligent Interactive Robots/Vehicles

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
<i>Artif. Intell.</i>		

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 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 RDDL 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

Served on the Program Committee of AAAI 2021, DMAP @ICAPS2021, and co-organized planning workshop (DMAP'21) at ICAPS

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** Ph.D. Committee Member · Faculty member, The Dept. of SISE, BGU of the Negev, Beer Sheva, Israel, *Email:* roni.stern@gmail.com

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