SHASHANK SHEKHAR

PERSONAL INFORMATION

Nationality	Indian
Website	https://shekharsai.github.io/
Address	Apt. 25, 18 Rue, Notre Dame, Toulouse, 31400
Email	shashankshekhar2010@gmail.com

WORK EXPERIENCE

from Oct., 2021	LAAS-CNRS, France
Research Associate	Robotics and InteractionS team at LAAS, Toulouse working with Dr. Rachid ALAMI on *human aware task planning* and *human robot interaction*
Mar. Sept., 2021	Ben-Gurion University of the Negev, Israel
Postdoctoral Researcher	The Department of Computer Science worked with Prof. Ronen I BRAFMAN on *multi-agent planning* and *decision making under uncertainty and partial observability*
2011-2012	System Engineer, INFOSYS LIMITED, India
Infosys Limited	Java and C# developer, Mangalore DC, Karnataka

EDUCATION

2016-2021	Ben-Gurion University of the Negev, Israel
Doctor of Philosophy (Ph.D.)	The Department of Computer Science Thesis: *Collaborative Multi-Agent Planning with Partial Observability and Interacting actions* Advisor: Prof. Ronen I BRAFMAN
2013-2016	Indian Institute of Technology Madras, Chennai
Master of Science (M.S.) by Research	Department of Computer Science & Engineering Thesis: *Learning and Strengthening Meta-Heuristics in Plan-Space Planning* Advisor: Prof. Deepak KHEMANI
2007-2011	Guru Gobind Singh Indraprastha University
Bachelor of Technology	Department of Information Technology, CBPGEC Delhi Information Technology (*with distinction*)

SKILLS

Software	Java, C#, C++, Python, Linux, ROS, OpenCV, PCL, Pytorch, TensorFlow, Git
Research Interests	Multi-Agent Systems, Planning/Pathfinding, Robotics, Decision Making Under Uncertainty, Human-Robot Interaction, Reinforcement Learning, Cooperative Planning or Automated Intersections for Intelligent Robots/Vehicles

1. JOURNAL PUBLICATION(S)

2021	*Safe multi-agent pathfinding with time uncertainty*
J. Artif. Intell. Res.	Authors: Tomer SHAHAR, **Shashank** SHEKHAR, Dor ATZMON, Abdallah SAFFIDINE, Brendan JUBA, and Roni STERN

	2020 *Representing and planning with interacting actions and privacy*
Artif. Intell.	Authors: **Shashank** Shekhar and Ronen I. Brafman

2. conference publication(s)

	2022 *Robust Planning for Human-Robot Joint Tasks with Explicit Reasoning on Human Mental State*
AAAI Symposium	Authors: Anthony Favier, **Shashank** Shekhar, and Rachid Alami
	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 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

IEEE Robotics and Automation Letters	(2022) · I am a Reviewer.
SN journal of CS	(2022) · I am a Reviewer.
AAAI	(2021, 2022) · I served on the Program Committee.

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

REFERENCES

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

Rachid Alami Host @LAAS-CNRS · "Directeur de Recherche", LAAS-CNRS, Toulouse, France *Email:* rachid.alami@laas.fr

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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