

Nagasrikanth Kallakuri

Audio-Visual Processing | Speech Recognition | Robotics

srikanth@cmu.edu
+1 508 981 3393
www.srikanthkallakuri.com
1920 Latham Street, Apt# 5
Mountain View, CA - 94040

International Conference Publications

1. Jani Even, Yoichi Morales, Nagasrikanth Kallakuri, Carlos Ishi and Norihiro Hagita. "*Audio Ray Tracing for Position Estimation of Entities in Blind Regions.*" To appear in the proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2014
2. Yoichi Morales, Nagasrikanth Kallakuri, Tetsushi Ikeda, Kazuhiko Shinozawa, Tadahisa Kondo and Norihiro Hagita. "*Visibility Analysis for Autonomous Vehicle Comfortable Navigation.*" To appear in the proceedings of IEEE International Conference on Robotics and Automation (ICRA), 2014
3. Jani Even, Yoichi Morales, Nagasrikanth Kallakuri, Jonas Furrer, Carlos Toshinori Ishi and Norihiro Hagita. "*Mapping sound emitting structures in 3D.*" To appear in the proceedings of IEEE International Conference on Robotics and Automation (ICRA), 2014
4. Nagasrikanth Kallakuri, Jani Even, Yoichi Morales, Carlos Ishi, and Norihiro Hagita. "*Using sound reflections to detect moving entities out of the field of view.*" In IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2013 pp. 5201-5206. IEEE, 2013.
5. Jani Even, Nagasrikanth Kallakuri, Yoichi Morales, Carlos Ishi, and Norihiro Hagita. "*Creation of radiated sound intensity maps using multi-modal measurements onboard an autonomous mobile platform.*" In Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on, pp. 3433-3438. IEEE, 2013.
6. Yoichi Morales, Nagasrikanth Kallakuri, Kazuhiro Shinozawa, Takahiro Miyashita, and Norihiro Hagita. "*Human-comfortable navigation for an autonomous robotic wheelchair.*" In IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2013 pp. 2737-2743. IEEE, 2013.
7. Nagasrikanth Kallakuri, Jani Even, Yoichi Morales, Carlos Ishi, and Norihiro Hagita. "*Probabilistic approach for building auditory maps with a mobile microphone array.*" In IEEE International Conference on Robotics and Automation (ICRA), 2013 pp. 2270-2275. IEEE, 2013.

Domestic Conference Publications

1. Jani Even, Nagasrikanth Kallakuri, Yoichi Morales, Carlos Ishi and Norihiro Hagita. "*Multi-Modal Sound Localization from a Mobile Platform.*" In Japanese Society of Artificial Intelligence - SIG Challenge, 2012.
2. Yoichi Morales, Nagasrikanth Kallakuri, Takahiro Miyashita and Norihiro Hagita. "*Semi-Autonomous Wheelchair Navigation: Towards Brain-Controlled Systems.*" In Published, Robot Society of Japan - Annual Conference, 2012.

Patents

Jani Even, Nagasrikanth Kallakuri, Yoichi Morales, Carlos Ishi and Norihiro Hagita - "*A Method for Generation of a Probabilistic Audio Environment Map using a Mobile Robot.*"
Patent Application (Japan) No. 2013-004482