

Assignment 2

Background Bibliography

This assignment aims to familiarize you with the task of collecting background bibliography for a research topic. You can work alone or in a team, selecting one of the topics suggested or you can propose a new topic.

Group #	Theme	Team
1	Wreck Mapping	Akanksha
2	Hyper-redundant manipulator path planning	Xanthidis
3	Formation Path Planning	Jagtap, Mukkala
4	Coral Classification	Modasshir
5	Cooperative Localization	
6	Multi-Robot Coverage	
7	Multi-Robot Exploration	Ghasemlou, Behbooeidolatsaraei
8	Mapping U/W Structures	Chatterjee
9	Range mapping using an RGBd sensor (Kinect)	Doherty
10	Stereo with structured light	Rahman
11	Uses of g^2o	Coskun

Deliverables:

- A bibtex file with bibtex entries for all the papers you selected. In each entry provide a abstract field, and a url field which will contain a link to the pdf of the paper.
- A written report summarizing the related work, with proper citations.

See for example the coverage survey paper:

<http://www.sciencedirect.com/science/article/pii/S092188901300167X>

Advices on bibliography search:

- Start with a search: [Google Scholar](#), [IEEE Xplore](#), Google.
- Select relevant papers and add them to your reference set \mathcal{S} .
- For each paper P in \mathcal{S}
 - Look all the references; select relevant papers and add to \mathcal{S}
 - Go to Google Scholar; find all relevant papers that cite P ; add them to \mathcal{S} .
 - If out of time trim \mathcal{S} .
- Most research work is published first as a conference then as a journal paper. Sometimes, there is a workshop paper that precedes the conference and/or journal. Group them together then cite the journal paper.
- When needing to trim the set of papers, first remove conference papers for which there is a journal, consider relevance, then use reputation:
 - Reputation of the venue, conferences: ICRA, IROS, RSS, ISRR, ISER, DARS, WAFR; ICCV, CVPR, ICIP, BMVC, CRV, etc.
 - Reputation of the research group. Are they known for their work in the specific field?
- Use latex and bibtex format.