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/Person
1	Wreck Mapping	
2	Robot in the wind	
3	Cooperative Localization	
4	Multi-Robot Coverage	
5	Robots in current	
6	Mapping U/W Structures	
7	Range mapping using SONAR underwater	
8	Shape from structured light	
9	Deep Learning SLAM	
10	3D Surface Reconstruction	

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

Advises on bibliography search:

- Start with a search: Google Scholar, IEEE Xplore, Google.
- Select relevant papers and add them to your reference set *S*.
- For each paper *P* in *S*
    - Look all the references; select relevant papers and add to *S*
    - Go to Google Scholar; find all relevant papers that cite *P*; add them to *S.*
    - If out of time trim *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.