

CECS 571 Fundamentals of Semantic Web Technologies

Spring 2020

Project 1: Semantic Web Research

Overview

In your respective team, work together to conduct literature review of the state of the art in Semantic Web (SW) research. Through this review, your goal is to classify and identify 3 trending research topics in the field of SW.

Requirements

The International Semantic Web Conference (ISWC) series is the flagship publishing venue for findings and advances in the field of SW, with several tracks focusing on different areas of the SW such as Research, In-Use, Industry and beyond. Conduct literature reviews of recent scientific papers published at ISWC between the years of 2015-2019 in this group project and present summaries of these reviewed papers, with the following requirements:

- Focus on one track only from either Research, In-Use, or Industry throughout the years.
- Review a total of 10 papers published under the track your team has chosen (you must select at least 1 paper from each year of the conference in your review).
- For each paper selected in your review, present a brief summary, in approximately 3-5 sentences, including:
 - What is the problem being solved
 - What is the proposed solution
 - What are the findings

For an example of accepted papers at ISWC 2019 under various tracks, see <https://iswc2019.semanticweb.org/accepted-papers/>

Deadline

Monday, Feb. 24, 2020, 5pm local time

Submission

One member of each team will submit on behalf of everyone: two files electronically to the designated DropBox folder on BeachBoard:

- (1) A written report in .pdf format on your literature review, in a maximum of 3 pages using 11-point Times New Roman and 1-inch margin on the top-bottom & left-right of the page, discuss the required items above. The report should be organized by year, title of the paper, and the aforementioned discussion points. For example:

ISWC 2019 – Research Track:

- Paper 1: Title
 - Problem:
 - Solution:
 - Findings:

(2) Presentation slides in .pdf or .ppt summarizing how you approached the review process, discuss 3 example papers you found most interesting in your review, and more importantly, identify 3 trending research topics based on your review. Presentations should be prepared for a 15-minute talk and 5-minute Q&A.

Grading Guidelines

This assignment is worth 20% of the final grade. All members of the same team will receive the same points, which are subject to peer review (see below). The report and the presentation are marked out of 10% each. You will be graded on the extent to which the required deliverables discussed above have been successfully met.

Peer review: contributions in a team-based assignment should be understood as the individual input that is valued by your peers and is advancing the collective team outcome positively. Thus, your final grades may be adjusted to reflect the evaluations rated by your peers. Please be reminded that the instructor cannot give credit to any individual who makes zero contribution to group-based assignments. Further peer review submission instructions will be provided to the class after the due-date of this assignment.

Teams:

1	Brett Rexius Srilekhya Kalahasty David Caplin Jonathan Saavedra Christopher Gutierrez
2	Alexander Pham Matthew Nguyen Yashua Ovando Sella Bae Harrison Yang
3	Loc Hinh Liam Nguyen Suchitra Chinnamail Varun Lingabathini Phuc Dang
4	Michael Tran Robien Marquez Haydn Pang Kelvin Pham Josue Crandall
5	Ann Mai Amish Mathur Mike Mai Jose Gallardo

	Yuhui Deng
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