
Reference: QSE:CIS Reviewer

Topic: Be a System Reviewer for the Collective Intelligence Systems Survey

Priority!

LVA-Type: MSc Project, Seminar Work

Start: As soon as possible

End: By arrangement

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Background

The strength of Collective Intelligence Systems (CIS) like Facebook, YouTube, Wikis, or StackOverflow is to aggregate and distribute information and content among their user base. Nowadays, CIS have experienced wide acceptance by people and thus have an increasing influence on knowledge creation and sharing processes. CIS provide their users coordination and information sharing capabilities and thus supports the interactions between human users.

The CIS Survey has been initiated to better understand the foundational mechanisms and to collect commonalities of CIS. The results of this survey will inform software engineering research to develop theories and methods to systematically improve existing CIS or to develop novel CIS types.

In this work the student assists the research team in the role of a system reviewer with the collection, categorization, reporting of CIS features and capabilities, and documentation. The student is actively embedded in a research team and gets hands-on experience with software engineering research practices, in particular training on the systematic collection and reporting on software system functionalities.

Tasks

- Systematic investigation of interaction workflows from an end-user perspective.
- Surveying of documentation (user guides, API/developer documentation, architectural documents).
- Structured collection and packaging of data samples and reporting of data collection and procedures.

- Contributing to the improvement of the survey process design and the reviewer training practices.

Experience and skills needed

- Good written and spoken English skills.
- Experience / interest in Social Web, Crowdsourcing, Collective Intelligence and Social Networks.
- Experience with SVN or Git.
- Basic experience with Excel.