CS2310 Term Project Milestone2

Wen Gao

Title

Publication Integration System

UI Design

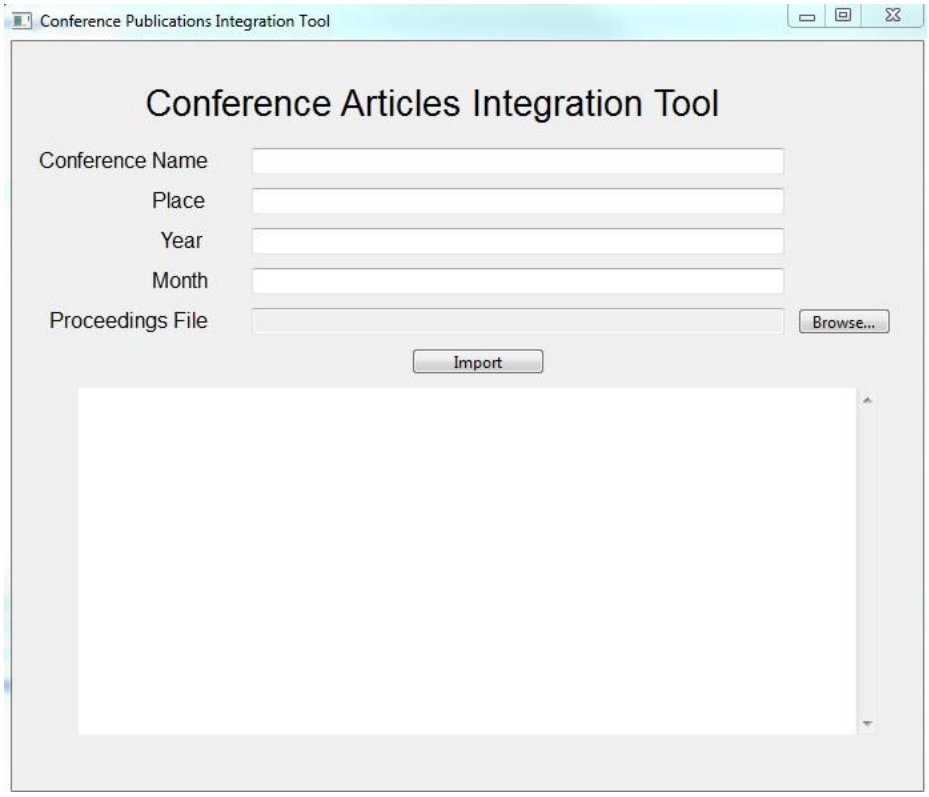


Figure 1. User Interface

User needs to input conference name, place, year, month and the proceedings file path through this user interface. The articles in this file will be parsed and imported to the database after the “import” button is clicked. All the detailed log information will show in the text field below.

Database Design

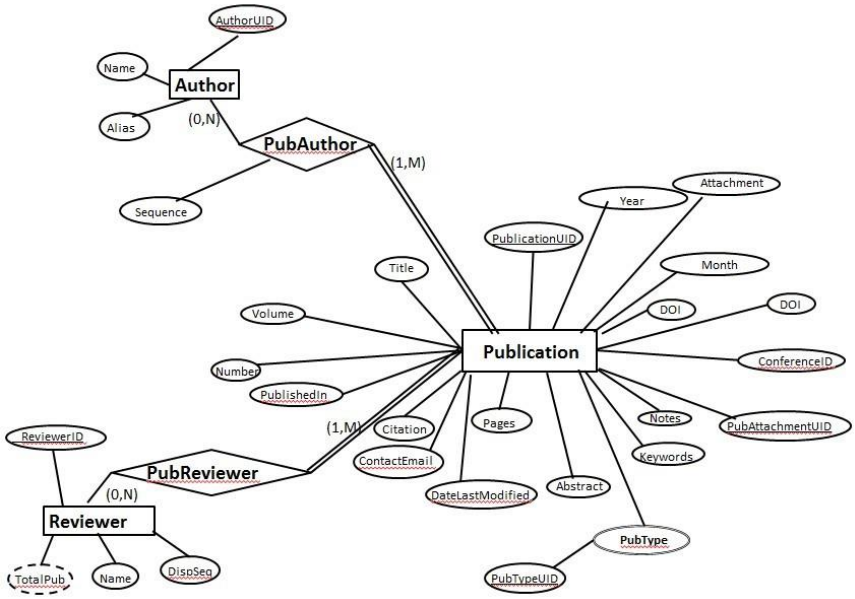


Figure 2. Entity-Relation Diagram

PDF file Parser Design

The conference proceedings files for the conference DMS and SEKE have fixed document format. Generally the parsing steps are:

1. Extract the list of articles and the corresponding start page included in the file.

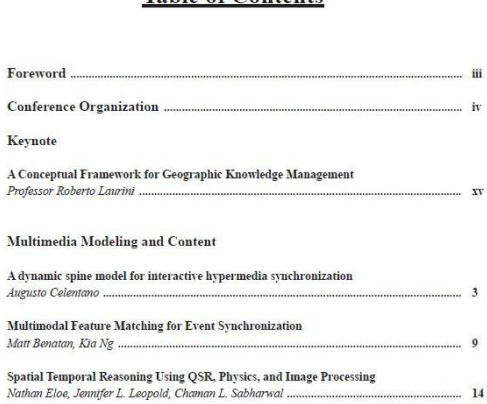
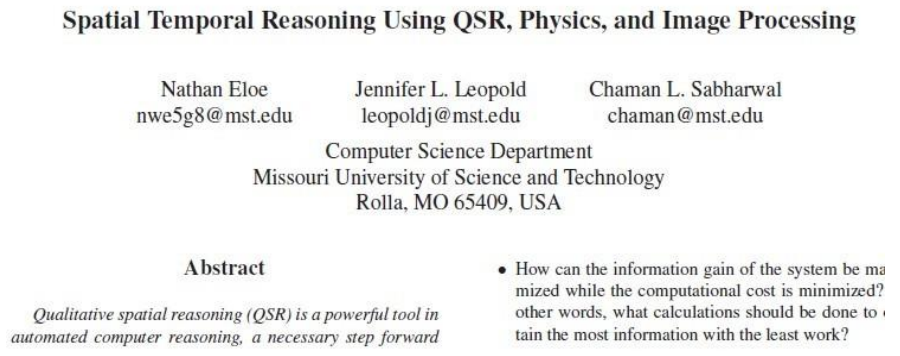


Table of Contents

Figure 3. Format of Table of Contents

2. Retrieve the title, author name and email address, and abstract of each article.



Spatial Temporal Reasoning Using QSR, Physics, and Image Processing

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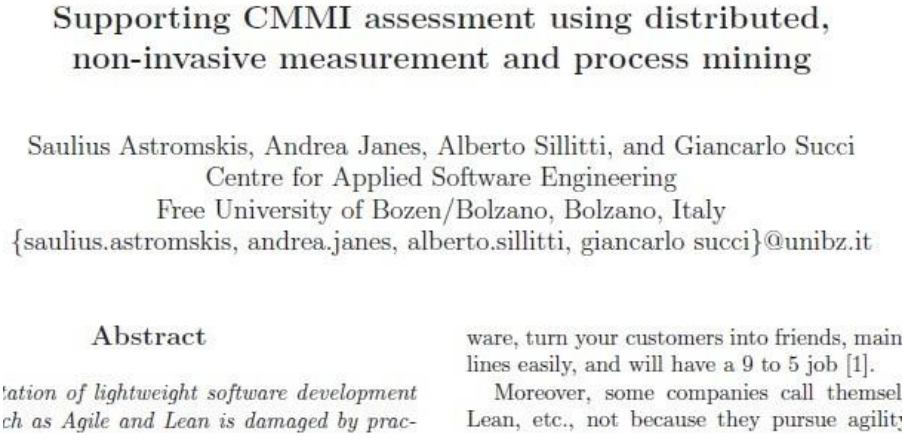
Abstract

Qualitative spatial reasoning (QSR) is a powerful tool in automated computer reasoning, a necessary step forward

- How can the information gain of the system be ma mized while the computational cost is minimized? other words, what calculations should be done to tain the most information with the least work?

Figure 4. Format 1 of the article



Supporting CMMI assessment using distributed, non-invasive measurement and process mining

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Abstract

tation of lightweight software development ch as Agile and Lean is damaged by prac-

ware, turn your customers into friends, main lines easily, and will have a 9 to 5 job [1].

Moreover, some companies call themsel Lean, etc., not because they pursue agilit

Figure 5. Format 2 of the article

Accomplishment by project demo

Design and implementation of metadata import and publication export function modules.