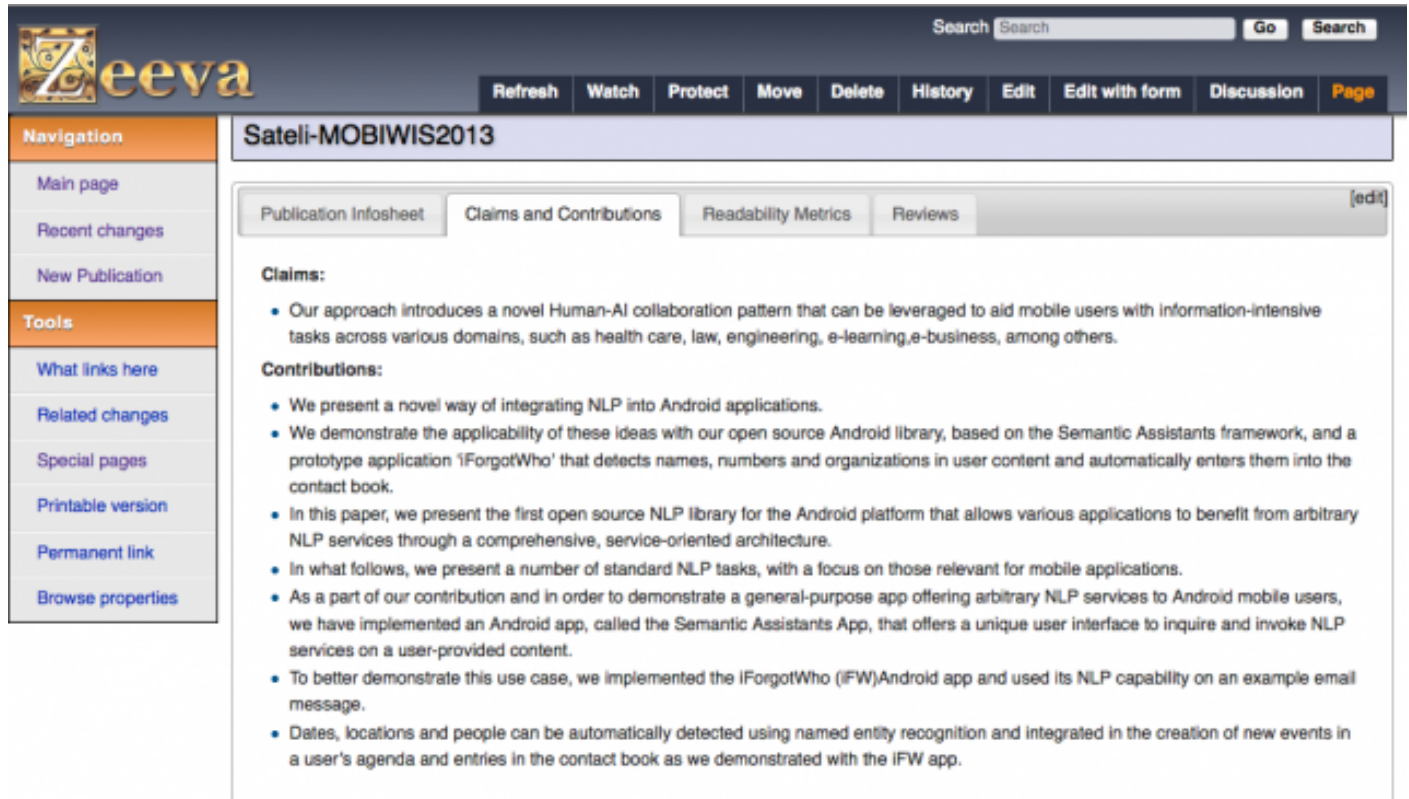


Semantic infosheet of bibliographical metadata extracted from a sample paper



The screenshot displays the Semantic Software interface for the publication 'Satelli-MOBWIS2013'. The interface features a top navigation bar with a search function and a set of action buttons: Refresh, Watch, Protect, Move, Delete, History, Edit, Edit with form, Discussion, and Page. A left sidebar provides navigation options such as Main page, Recent changes, New Publication, and Tools. The main content area is divided into tabs: Publication Infosheet, Claims and Contributions (selected), Readability Metrics, and Reviews. The 'Claims and Contributions' tab shows a list of claims and contributions, including a novel Human-AI collaboration pattern and a prototype application 'iForgotWho'.

Navigation

- Main page
- Recent changes
- New Publication

Tools

- What links here
- Related changes
- Special pages
- Printable version
- Permanent link
- Browse properties

Satelli-MOBWIS2013

Publication Infosheet | **Claims and Contributions** | Readability Metrics | Reviews [edit]

Claims:

- Our approach introduces a novel Human-AI collaboration pattern that can be leveraged to aid mobile users with information-intensive tasks across various domains, such as health care, law, engineering, e-learning, e-business, among others.

Contributions:

- We present a novel way of integrating NLP into Android applications.
- We demonstrate the applicability of these ideas with our open source Android library, based on the Semantic Assistants framework, and a prototype application 'iForgotWho' that detects names, numbers and organizations in user content and automatically enters them into the contact book.
- In this paper, we present the first open source NLP library for the Android platform that allows various applications to benefit from arbitrary NLP services through a comprehensive, service-oriented architecture.
- In what follows, we present a number of standard NLP tasks, with a focus on those relevant for mobile applications.
- As a part of our contribution and in order to demonstrate a general-purpose app offering arbitrary NLP services to Android mobile users, we have implemented an Android app, called the Semantic Assistants App, that offers a unique user interface to inquire and invoke NLP services on a user-provided content.
- To better demonstrate this use case, we implemented the iForgotWho (iFW) Android app and used its NLP capability on an example email message.
- Dates, locations and people can be automatically detected using named entity recognition and integrated in the creation of new events in a user's agenda and entries in the contact book as we demonstrated with the iFW app.



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