



Cambridge NLIP Group

NLP Labs Around the World



The Cambridge NLP Group

Natural Language and Information Processing Research Group



Some of the Natural Language and Information Processing Group: 2014



The Cambridge NLP Group

Natural Language and Information Processing Research Group

About

People

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- Active since late 1950
- Research fields include
 - Computational Linguistics
 - Natural Language Processing
 - Information Retrieval
- Home to some pioneers of NLP & IR
- First works were toward automatic thesaurus construction





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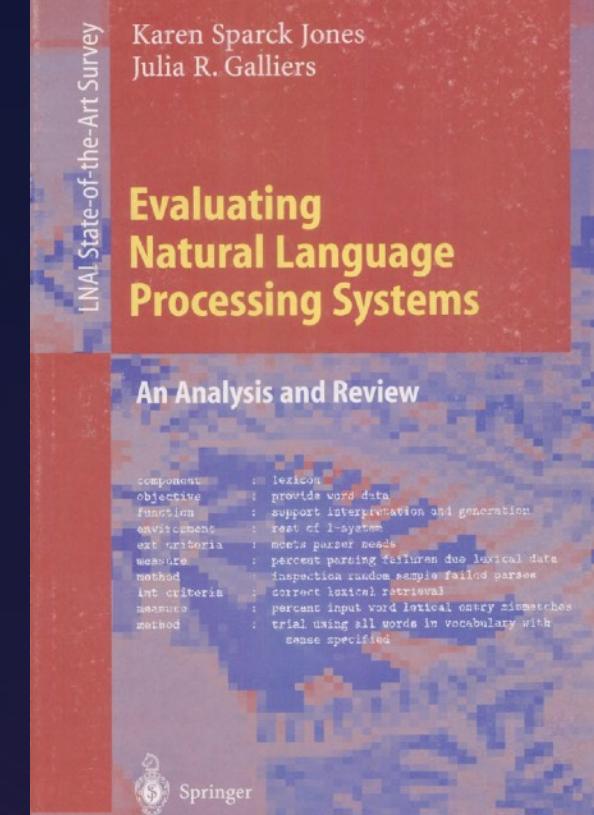


Karen Spärck Jones

- One of the pioneers in IR & NLP
- Inventor of the IDF term weighting
- Recent works were focused on document retrieval, including speech applications, database query, user and agent modeling, summarizing, and information and language system evaluation.



Roger Needham





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A Graph Based Framework for Structured Prediction Tasks in Sanskrit

Amrit Krishna, Bishal Santra, Ashim Gupta, Pavankumar Satuluri, Pawan Goyal,

Computational Linguistics. 2020

[\[pdf\]](#)

People

Keep it Surprisingly Simple: A Simple First Order Graph Based Parsing Model for Joint Morphosyntactic Parsing in Sanskrit

Amrit Krishna, Ashim Gupta, Deepak Garasangi, Pavankumar Satuluri, Pawan Goyal

Proceedings of the 2020 Conference on Empirical Methods in NLP (EMNLP)

[\[pdf\]](#)

Publications

Verbal Multiword Expressions for Identification of Metaphor

Omid Rohanian, Marek Rei, Shiva Taslimipoor, Le An Ha

Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020)

[\[pdf\]](#)

Projects

Seeing Both the Forest and the Trees: Multi-head Attention for Joint Classification on Different Compositional Levels

Miruna Pislar, Marek Rei

The 28th International Conference on Computational Linguistics (COLING-2020)

[\[pdf\]](#)

Research Blog

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AVeriTeC: Automated Verification of Textual Claims

Automated fact checking by enabling the verification of highly complex claims, which require multiple pieces of evidence, by developing methods that are able to generate multiple questions per claim, retrieve answers from both knowledge bases and textual sources, and combine them into verdicts



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Opening Up Minds: engaging dialogue generated from argument maps

Use of a dialogue system interface to existing databases of the arguments surrounding controversial topics such as "Should the United Kingdom remain a member of the European Union?" or "Should all humans be vegan?", so that a user can have debate with Argumentation Bots.



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MONITIO: Bringing to the Market a New Generation of AI-Powered Media Monitoring Tools

A real-time cross-lingual global media monitoring platform that will deliver constant and automated monitoring actions.



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Cambridge ALTA

Institute for Automated Language Teaching and Assessment

The Institute for Automated Language Teaching and Assessment
(ALTA)

Developing technology to enhance the experience of language learning and to develop cutting-edge approaches to automated assessment that will benefit learners and teachers worldwide.

Language Tools for English Learners: Writing System, Speaking System, Reading System



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The screenshot shows the homepage of the Cambridge Language Sciences Interdisciplinary Research Centre. The header includes the University of Cambridge logo and links for Study at Cambridge, About the University, Research at Cambridge, Quick links, Search, and a dropdown menu. The main title is "Cambridge Language Sciences Interdisciplinary Research Centre". Below the title is a navigation bar with links: Home (selected), About, Join Us, Research Directory, Events, News, Policy, Funding, Jobs & Studentships, Graduate Students, and Gallery. A sub-navigation bar below shows Resources selected. The main content area features a large image of a smiling woman in a green beanie and dark jacket standing by a body of water with mountains in the background. A caption below the image reads "About Language & AI: an interview with Christine de Kock" and includes navigation arrows for a slide show. To the right, a sidebar titled "What we do" describes the centre as an interdisciplinary research centre connecting researchers from five schools across the university and other institutions. It aims to strengthen research collaborations and knowledge transfer across disciplines. Below this are links for "JOIN OUR NETWORK", "JOIN OUR MAILING LIST", and "CONTACT US". At the bottom, there is an "Events" section with a card for the "Cambridge Language Sciences Annual Symposium 2021" on November 23rd, and a link to "View all events".

Cambridge Research Centre Blog



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- Useful Papers





Thank You for Your Attention!