



National Centre for Language Technologies
Centre for Next Generation Localisation



Research Focus: Language & Content Technologies

Multi-lingual Text Analytics, Automatic processing of User-Generated Content, Personalised cross-lingual search, Question Answering & Curation

Research Group



NCLT/CNGL is led by Professor Josef van Genabith, who has over 24 years experience in developing language technology solutions in industry and academia. NCLT/CNGL is currently one of the world's largest research groups focused on innovating the end-to-end content value-chain.

Core Expertise

Creation & Curation: reveal meaning in text, text analytics, semantic analysis

Search & Discovery: Discover answers in multilingual/multimodal content

Translation & Localisation: fast, accurate, human and machine translation, translation of user generated and corporate content



Commercial Experience

NCLT/CNGL has significant commercial expertise having generated three spinout companies to date, multiple licenses and an increasing number of applied research collaborations. The Centre is home to a dedicated product *Design & Innovation Lab* that can work with industry to ensure that research outputs are aligned with commercial requirements.



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Industry Collaborations

Illustrative Innovation Partnership: Zinopy (2012-Present)

Innovative use of search and language technologies for better customer care solutions.....



Examples of Ongoing Research

- Combining natural language processing with information retrieval for question answering and content management in customer care.
- Efficient & scalable methods to adapt text analytics technologies to highly divergent styles and domains.
- Technologies that extract events and opinions from user-generated content, particularly predicate-argument structure, temporal information, polarity, sentiment, etc.
- Techniques to leverage the social graph in the adaptation and personalisation of search, including the exploitation of user tags, connections with other users, personal & professional profiles, user similarity and activities by similar or highly connected users



Where could NCLT/CNGL expertise help other businesses

- Expertise in applying natural language processing technology to real world (noisy) data e.g. intelligent handling of content from twitter, forums, emails.
- Expertise in multi-lingual language processing (language understanding, machine translation, cross-lingual search)
- Expertise in search and discovery technology (video search, personalised contextual search)