Areas of Specialisation:
- Computational linguistics/ Natural language processing
- Computational morphology

Areas of Research:
- Acquisition of language resources for under-resourced languages

PUBLICATIONS

Books

Book Chapters

Journals


International Conferences


Miscellaneous


RESEARCH

1. Ngerabit eLamai: ICTs Supporting Socio-economic Transformation
   • Description
     The main objective of this project is to collect, document and organise into a database, and translate into English the everyday vocabulary used by the Penan tribe in Sarawak, on the island of Borneo. This resource can be used in supporting tourism activities in Long Lamai.
   • Duration
     January – June 2013
   • Team members
     Assoc. Prof. Dr. Alvin Yeo Wee (FCSIT-ISITI-CoERI, Project leader)
     Assoc. Prof. Dr. Bali Ranaivo-Malançon (FCSIT)
     Suhaila bt Saee (FCSIT)
     Tariq Zaman (ISITI-CoERI)
   • Funding
     MPN (Majlis Profesor Negara / National Professor Council) Community Outreach Programme
   • Publications
     NONE

2. Methodologies for Translation into Minority Languages: English-Iban
   • Description
     This project attempts to identify a technique that can be used to conduct translation for indigenous languages which lack resources required to build such an application. The approach that was proposed was the pivot language approach, whereby a closely-related language (Ng, Yeo and Malancon, 2009) is used as the pivot language. Iban language was chosen as the target language in this research, English the source language, and Malay the pivot language. The machine translation method uses an example-based machine translation approach. While the accuracy of the translation is not perfect, it provides a start on automated translation of a Sarawak indigenous language. Further details of project can be found in Chin and Yeo (2010).
• **Duration**

October 2007 - March 2009

• **Team members**

Dr. Edwin Mit (FCSIT, Project leader)

Assoc. Prof. Dr. Alvin Yeo Wee (FCSIT-ISITI-CoERI)

Assoc. Prof. Dr. Ting Su Hie (CLS)

Assoc. Prof. Dr. Tang Enya Kong (USM)

Suhaila bt Saee (FCSIT)

• **Funding**

Ministry of Science Technology and Innovation (MOSTI) Science Fund. RM185,320

• **Publications**


**3. Multimodal Integration of Sketch and Melanau Matu-Daro Speech in Spatial Queries**

• **Description**

This research focused on problems related to the integration of two modalities, namely speech and sketch, employed in spatial applications. Presently, most of the research works in multimodal integration focused on English. In this project, Melanau (Matu-Daro) was used as the target language. The outcome of this research included the design of a representation model and a framework to accommodate speech and sketch in spatial queries in Melanau (Teh and Yeo, 2009)

• **Duration**

(2007-2009)

• **Team members**

Assoc. Prof. Dr. Alvin Yeo Wee (FCSIT-ISITI-CoERI, Project leader)

Dayang Sariah Binti Abang (CLS)

Assoc. Prof. Dr. Tang Enya Kong (USM)

Suhaila bt Saee (FCSIT)
• Funding
  Ministry of Science Technology and Innovation (MOSTI) Science Fund. RM147,320

• Publications