



**Speaker2: Prof. Ahmed Hassan Yousef** is the Vice President for academic affairs at Egypt University of Informatics.

**Talk Title:** *The Arabic Natural Language Processing applications*

Arabic Natural Language Processing applications are highly needed in different domains. Over two decades, many tasks will be investigated including sentiment analysis, Arabic and Arabizi named entity recognition, sarcasm detection, dialect detection, analyzing social media, fake news detection, professional social networking data extraction, specialized syntactic search engines, topic modelling, duplicate record detection and cross language record mapping. With the invasion of generative artificial intelligence and large language models and the fast evolution in these technologies, benchmarks and evaluation methods are highly needed to assess the current situation and define the future research directions. This is not limited to natural text but can be extended to multimodal sentiment analysis, software code smells detection and converting code between multiple programming languages for portability across multiple platforms like Android and IOS

### ***Biography***

Prof. Ahmed Hassan Yousef is the Vice President for academic affairs at Egypt University of Informatics. He is a Computer Engineering Professor in Ain Shams University. As an IEEE volunteer, he served as the chair of the Egyptian section. His research interests include software systems engineering, informatics, high performance computing, and natural language processing