

Selected Projects

MOSAIC

(FP7) Establishing platforms to support and link EU Mediterranean ICT industries and prepare them for Horizon 2020



SIERA -Integrating Sina Institute into the European Research Area
(EU FP7) on Multilingual and Multi-cultural Knowledge Sharing.
<http://sina.birzeit.edu/SIERA>



PalGov – e-Government Lifelong Learning Consortium
(EU TEMPUS) Establishing the Palestinian e-Government Academy
<http://sites.birzeit.edu/comp/PalGov/>



Arabic Ontology
(BZU) Building an ontology for all Arabic Concepts
<http://sites.birzeit.edu/comp/ArabicOntology/>



GovSeer–Interoperability of e-Governmental Services (CooperLink, Italy)
Page: <http://sites.birzeit.edu/comp/GovSeer/>



Wojood
(Google) Developing Arabic Tools and APIs
<http://sina.birzeit.edu/wojood/>



MashQL
A novel approach for querying the Data Web
Page: <http://sites.birzeit.edu/comp/mashql/>



Mobile Information Technology for the Visually Impaired
Page: <http://sina.birzeit.edu/MITVI/>



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Sina Institute for Knowledge Engineering
and Arabic Language Technologies





Vision

Sina Institute aspires at becoming a world-class research institute and a primary reference for research focusing on Knowledge Engineering and Arabic Language Technologies.

Mission

Sina Institute is dedicated to advance human knowledge with innovative research and applications in Knowledge Engineering and Arabic Language Technologies, with attention to the Palestinian and Arab society needs; enabling an environment for faculties and students to realize their highest potential of intellectual development, as well as enriching the pedagogical process of the university with advanced and multidisciplinary courses.

Objectives

Scientific Objectives

1. Create innovative knowledge and applications, considering the Palestinian and Arab needs.
2. Share and publish scientific output, through reputable scientific journals and conferences.
3. Establish close cooperation with national, regional, and international research centers.

Pedagogical Objectives

4. Establish Master and PhD programs, and co-supervise theses in cooperation with international universities.
5. Facilitate an inspiring environment for faculties and students, and enable them to produce quality research.
6. Introduce new courses and organize summer schools in advance and multidisciplinary sciences.

Outreach Objectives

7. Provide Birzeit University departments & institutes with innovative IT solutions to support their R&D needs.
8. Enrich the Palestinian public and private sectors with innovative technologies for a socio-economic welfare.
9. Transfer knowledge and encourage research among other universities and societies.
10. Represent the University and facilitate its participation in international committees and standardization bodies.

Research Groups

Onto Group - Arabic Ontology and Semantic Technologies (Led by Dr. Mustafa Jarrar)

(Arabic) Ontology Engineering, Arabic Lexical Semantics, Knowledge Management, Semantic Web, Interoperability, eGovernments, Web Data Management, Information Systems, Database, Data Modeling, Logic, Business Rules, Legal ontologies.

ALTIR Group - Arabic Language Technology and Information Retrieval (Led by Dr. Adnan Yahya)

Arabic Natural language processing, Information Retrieval, Artificial Intelligence, Reasoning, Computers and Society, Mobile Applications.

