

<b>REFERENCE:</b>	<b>516686-TEMPUS-1-2011-1-DE-TEMPUS-JPCR</b>
-------------------	--

<b>TITLE:</b>	<b>Development of Joint International Master Degree and Lifelong Learning Framework in Mechatronics</b>
---------------	---

---

**DESCRIPTION:** Summary of the project:

The aim of the JIM2L project is to participate in enhancing the regional higher education systems especially the engineering sectors in EG and JO and to support the knowledge triangle education-innovation-research. The aim of this project will be accomplished through the following specific objectives:

1) Based on the BSc curriculum for Mechatronics, which was developed in the former project DIMPTOT, the curriculum for an MSc degree in Mechatronics shall be developed according with the Bologna Convention (3 cycle structure, ECTS, and degree recognition). This degree not only enhances the higher education systems in Egypt and Jordan, but also helps in building a sustainable bridge between the countries and with Europe in the vital industrial engineering field of Mechatronics. The MSc degree will be the basis for a PhD degree later on.

2) The knowledge triangle education-innovation-research combined with continuous or lifelong learning LLL strategy in Egypt and Jordan shall be supported by establishing training centres at the universities that serve several important industrial sites in their countries. These training centres will offer training courses for Mechatronics engineers and later on Electrical and Mechanical engineers.

3) The basis for national associations or national networks in the field of Mechatronics will be developed. This helps to enhance the knowledge transfer within the country, the region, and worldwide.

The project consortium has acquired a solid experience through its successful collaboration in a previous TEMPUS project entitled "Development of an Industry-Linked Mechatronics Program with Training of Trainers" DIMPTOT. Through that project, the consortium members got an insight about the importance of the Mechatronics field to the Egyptian industry. Therefore, they are looking forward to advance their collaboration and further enhance the Mechatronics postgraduate studies and lifelong learning.

**COORDINATOR:** Hochschule Bochum - Bochum University of Applied Sciences  
Lennerhofstraße, 140  
Bochum D-44801, DE  
**Phone:** +49(0)234 32 103 07  
**Email:** rolf.biesenbach@hs-bochum.de

**CONTACT:** Prof. Dr.-Ing. Rolf Biesenbach

**INVOLVED PARTNER COUNTRIES' INSTITUTIONS:**

- Zagazig University, EG
- Higher Technology Institute; Tenth of Ramadan, EG
- Heliopolis University, EG
- German Jordanian University, JO
- E.ON Ruhrgas AG, DE
- London South Bank University, UK
- Silesian University of Technology, PL
- Deutsche Gesellschaft für Mechatronik e.V., DE
- Philadelphia University, JO

**REQUESTED GRANT:** 1,181,049.20

**CONTRACT DURATION:** 36 months