

Japan Brand Program

Exo Muscle -Social Welfare Innovation-

Schedule: March 4-10, 2017

■ Dispatched Expert



Hiroshi Kobayashi

**Professor, Faculty of Engineering,
Tokyo University of Science**

**Founder & Director, CTO,
INNOPHYS Co., Ltd.**

Prof. Kobayashi completed mechanical engineering doctorate in 1995 at Graduate School of Engineering, Tokyo University of Science. He has been Professor, Department of Mechanical Engineering, Faculty of Engineering, Tokyo University of Science since 2008. Kobayashi has worked on developing custom technology for a wearable exo-skeleton (wearable robot), and established a university-initiated venture company INNOPHYS in 2013. He has been promoting muscle suits (Exo Muscle) sale and working on creating a market in this field.

Site: Hashemite Kingdom of Jordan, United Arab Emirates (Abu Dhabi)

■ Review of Activities

● Hashemite Kingdom of Jordan



Courtesy call on the director general of Royal Medical Services and tour of facilities



Presentation at German Jordanian University offering biomechanics



Presentation at Princess Sumaya University for Technology providing technical education

● United Arab Emirates



Meeting with health professionals at Abu Dhabi Health Services Company (SEHA)



Presentation at Khalifa University, a science and engineering university



Presentation at Zayed Higher Organization (ZHO), which supports the independence of people with disabilities

■ Achievements Prof. Hiroshi Kobayashi, Professor, Tokyo University of Science, has developed a wearable exo-skeleton, or “muscle suit (Exo Muscle),” in order to assist workers in nursing care, factories, and other fields. He gave presentations about its development history and achievements, and demonstrated the suit at colleges and to health professionals. Kobayashi discussed with the rehabilitation facility director at the Royal Medical Services in Jordan and the head of procurement for Abu Dhabi Health Services Company (SEHA), the United Arab Emirates. Prof. Kobayashi received requests regarding inauguration of university exchanges, as well as adoption and piloting of the muscle suit. The Jordan Times, Jordan’s largest English language newspaper, interviewed and featured him.