

Press Release

Japan Analytical Instruments Manufacturers' Association (JAIMA)

**Workshop in Analytical Instruments for Junior High and High
School Students:
JAIMA Summer Science School
Support for Science and Technology Education through Experience
Operating Analytical Instruments**

The Japan Analytical Instruments Manufacturers' Association (JAIMA; 1-12-3 Kanda Nishikicho, Chiyoda-ku, Tokyo 101-0054; chaired by Gon-emon Kurihara, president of JEOL Ltd.) held its workshop in analytical instruments for junior high and high school students entitled "JAIMA Summer Science School" on Friday, July 22, 2016 at Miraikan (the National Museum of Emerging Science and Innovation).

JAIMA homepage: <http://www.jaima.or.jp/>

■ JAIMA Summer Science School

JAIMA Summer Science School is designed to deepen understanding of analytical instruments and technologies that form the basis of a variety of industries and increase interest in science and technology by providing a venue for junior high and high school students in the Tokyo metropolitan area to experience actually using analytical instruments. This educational event was first held in 2012 as a project of the JAIMA Technical Committee and was inspired by the public program of the International Congress on Analytical Sciences 2011, which was held in May 2011.

■ Description of Activities

The 13 participating companies, etc. in the Technical Committee made up of JAIMA members operated 21 different types of analytical instruments that they brought to the venue, provided general descriptions of the devices to the 64 participants this year who were divided into groups of three to four people, and conducted hands-on workshops for the participants.

Of the students who participated in this year's workshop, some were attending for the fourth consecutive time. Responses to a survey conducted at the conclusion of the workshop included statements such as, "I had an enjoyable and valuable time" and "I would like to participate again next year," indicating that the workshop is becoming an increasingly popular summer vacation event.

In addition, in 2016 the Japan Association of Clinical Reagents Industries, which has a cooperative relationship with JAIMA, made an investigative tour of the venue. "We were extremely impressed by the enthusiasm and earnestness of the participating junior high and high school students as well as the sincerity displayed from the preparation stage by the

representatives of the various manufacturers who served as instructors. This event was also quite informative, so we could see the required educational contents as well as responses by the students,” said a representative of the Association.

■ Future Prospects

In recent years, science, technology, engineering, and mathematics (STEM) education has been receiving increased attention in Japan. JAIMA is investigating holding events for junior high and high school students—including Summer Science School—to communicate the appeal of science and analytical instruments.

Details of the workshop and information about participating companies follow below:

Workshop Details:

Date and time: July 22 (Fri.), 2016; 12:30 to 5:00 p.m.

Location: Miraikan (the National Museum of Emerging Science and Innovation),
Conference Room Nos. 1 to 3, 7F).

No. of participants: 64

Participating Companies and Devices Used:

Participating Company	Devices Used
Agilent Technologies Inc.	Capillary electrophoresis system
	Fourier transform infrared spectrophotometer
Otsuka Electronics Co., Ltd.	Capillary electrophoresis device
Komyo Rikagaku Kogyo K.K.	Simple gas analyzer
Thermo Fisher Scientific K.K.	UV-visible spectrophotometer
Shimadzu Corporation	High performance liquid chromatograph
DKK-TOA Corporation	Ion chromatograph
JEOL Ltd.	Scanning electron microscope
	X-ray fluorescence spectrometer
JASCO Corporation	UV-visible spectrophotometer
Hitachi High-Tech Science Corporation	Differential scanning calorimeter
	Scanning probe microscope
Hitachi High-Technologies Corporation	Scanning electron microscope
Hiranuma Sangyo Co., Ltd.	Water analyze/Titrator
Horiba, Ltd.	Particle size analyzer
	pH meter
Rigaku Corporation	Raman spectroscopic device
	X-ray fluorescence spectrometer

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