

Student Training Programmes in Japan and the EU

Financed by the European Commission and METI

Vulcanus in Japan

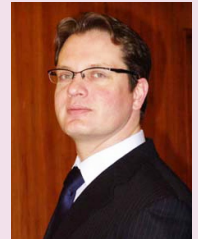
WHAT IS VULCANUS IN JAPAN?

This programme gives European students of architecture and sciences the possibility of gaining work experience in their respective fields of studies in Japan through a one-week seminar on Japan, a four-month intensive Japanese language course and an eight-months traineeship in a Japanese company.

«MY INTERNSHIP DURING VULCANUS WAS AT THE SPACE DEPARTMENT OF TOSHIBA FROM JANUARY TILL AUGUST, 1999. DURING MY INTERNSHIP I WORKED ON GPS-BASED ATTITUDE DETERMINATION AND WROTE A PROPOSAL TO DEVELOP SUCH A SYSTEM FOR A JAPANESE SPACECRAFT, WHICH WAS LATER ACCEPTED.

AFTER MY GRADUATION IN SEPTEMBER, 1999 I JOINED TOSHIBA AS A GNSS ENGINEER TO DEVELOP THIS SPACE BORNE GPS RECEIVER WITH ATTITUDE DETERMINATION CAPACITY, WHICH WAS LAUNCHED INTO SPACE IN 2003.

FURTHERMORE I DEVELOPED OTHER TYPES OF RECEIVERS FOR JAPANESE SPACECRAFT AND SUBSYSTEMS FOR THE JAPANESE CONTRIBUTION TO GNSSs. I WORKED AT TOSHIBA TILL THE END OF 2006 WHEN I REJOINED DELFT UNIVERSITY OF TECHNOLOGY. IN MY CURRENT RESEARCH I AM STILL COOPERATING WITH THE JAPANESE SPACE ORGANIZATION JAXA FOR GPS EXPERIMENTS ON THE BALLOON-BASED OPERATION VEHICLE. THE GOAL OF THESE EXPERIMENTS IS TO DETERMINE VERY PRECISELY THE POSITION AND ORIENTATION OF A VEHICLE THAT IS LAUNCHED FROM A HIGH ALTITUDE BALLOON.»



Peter BUIST, Delft University and JAXA

PROGRAMMES OBJECTIVES AND OUTCOMES

- Gain insight into Japanese/ European business culture
- Give young people opportunities to study the range of advanced technologies as employees of leading host companies
- Learn Japanese/ a European language
- Understand and appreciate the other culture with a view to an enriching one-year experience abroad
- Establish close links with future high-profile staff in Japanese or European industry, who will already be familiar with the respective business culture
- Give a host company the opportunity to benefit from a valuable addition to its workforce and to be assisted in the development of its business with Japan and Europe



VULCANUS IN EUROPE AND JAPAN



Vulcanus in Europe

WHAT IS VULCANUS IN EUROPE?

This programme offers Japanese students a one-year professional stay in Europe and at the same time EU industrial companies the unique opportunity to host highly **qualified Japanese students**, selected from among Japan's best universities, either in the third or fourth year of their undergraduate studies, or following a postgraduate course (engineering (mechanical, electrical, electronic, civil, nuclear, etc.) / architecture / biology, chemistry, biotechnology, physics / metal materials, ceramics / computer science, telecommunications.)

«WE BELIEVE THAT THIS HAS BEEN A GREAT OPPORTUNITY TO EXCHANGE AND UNDERSTAND BETTER THE DIFFERENT EDUCATIONAL, KNOWLEDGE, ECONOMIC AND COMPANY-CULTURAL BACKGROUNDS.

WE FEEL THAT BOTH US AND THE TRAINEE GAINED A LOT OF EXPERIENCE FROM EACH OTHER, AND HAVE MANAGED TO ESTABLISH A LONG-TERM FRIENDSHIP AND WORKING RELATION.»



Mr. JANOS SZILAGYI
BABOLNA BIO LTD., HUNGARY
VULCANUS HOST COMPANY IN 2008



**EU-Japan Centre
for Industrial Cooperation**

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