



## GeoTechnical Field Tour Guide

- **Technical Leaders**  
**Dr. Kokichi Iizasa**  
Geological Survey of Japan, AIST  
**Mr. Nobu Okamoto**  
JOGMEC  
**Prof. Kensaku Tamaki**  
University of Tokyo
- **October 18-20, 2007**

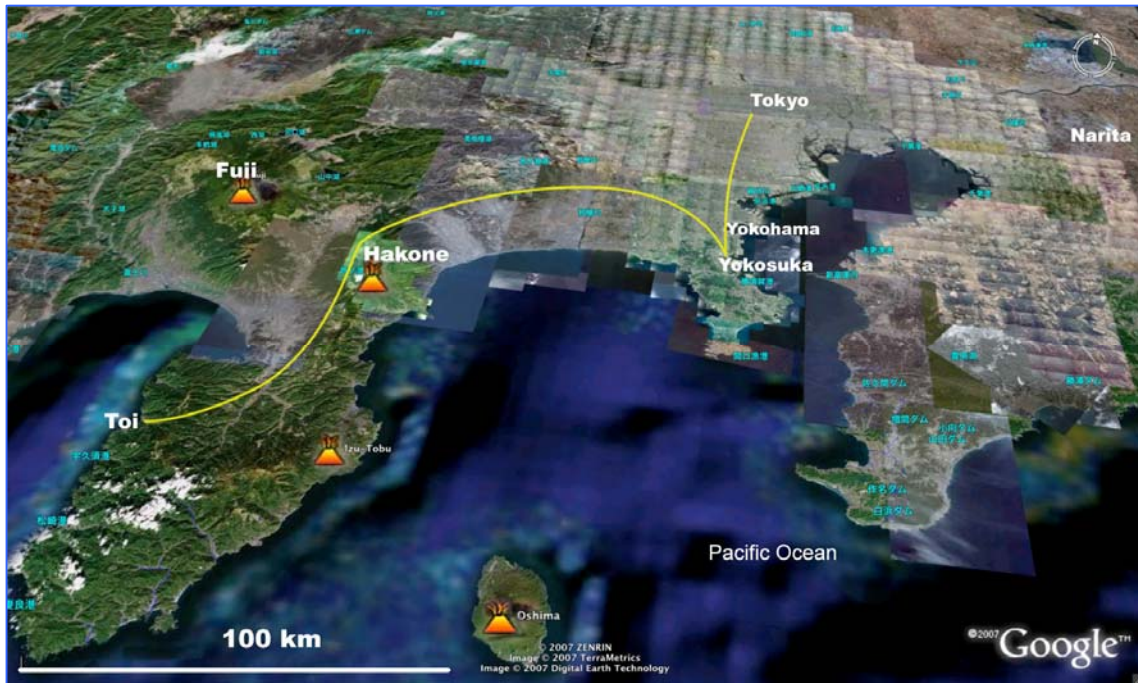
### **Main UMI Contacts:**

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**UMI 2007** is the 37<sup>th</sup> annual conference of the Underwater Mining Institute ([www.underwatermining.org](http://www.underwatermining.org)) sponsored by the International Marine Minerals Society ([www.immsoc.org](http://www.immsoc.org)).

## GUIDE for UMI 2007 GeoTechnical Tour Participants



### OUTLINE

This GeoTechnical Field Tour is a 3-day (October 18th, 7:30 AM to 20th, 4:00 PM) optional feature of the UMI that includes a visit to the firm of Japan Marine Science and Technology Center (JAMSTEC) at Yokosuka and the Fuji-Hakone-Izu National Park area.



JAMSTEC is a major marine science and technology institute with wide variety of academic research and advancement of ocean survey technology. The National Park, one of the oldest state-preserved parks, is well known for its dynamic landscape and well-preserved wild plants. The geology and geography of the area is mostly characterized by modern and ancient volcanic activities that extend over 1000 km to the south to the deep Pacific ocean along with the plate boundaries. The Izu area is also known as hydrothermal gold deposits. The Toi Mine was a top gold producer during Edo era (18-19<sup>th</sup> century). It is worth to compare those with the setting of submarine massive sulfide deposits. Dr. Kokichi Iizasa



(Geological Survey), Mr. Nobu Okamoto (JOGMEC), and Prof. Kensaku Tamaki (Univ. Tokyo) will lead the Tour as follows:

## SCHEDULE

**Oct. 18 (Thu):** Depart Tokyo (Tokyo Garden Palace), travel to JAMSTEC, and spend one hour to see their facilities and machines. Next stop is an overview of the Hakone caldera, after visiting a Zen Temple, checking in a hotel where you can see Mt. Fuji when clear.

**Oct. 19 (Fri):** Visit the active vent areas inside the Hakone caldera where we take an optional walk for close look at the venting, then travel 2 hours to a tourist gold mine “Toi,” a decorated monument for visitors. Some of us may try to visit another real outcrop of the mineral deposits in the tunnels next to our hotel.



**Oct. 20 (Sat):** Take a tourist boat ride to see eroded beach cliff made of volcanic ash and ejecta, then leave around noon for Tokyo arriving at around 4pm at Shinjuku Washington and Shinjuku New City Hotels close to JR station or shuttle bus stop. The guests who wish to reach Narita in the early afternoon will leave the hotel at 9am with one of Japanese staff and arrive at Narita around 2 pm or earlier.



## HOTELS & COSTS

Hotel accommodation for the first day is arranged at the Hakone Green Plaza Hotel located in the flank of the volcano. The second hotel at the town Toi is a Japanese-style inn, “Grand Hotel Meiji-Kan”, where people sleep on Futon mats over Straw-mat room. Kindly remember that you will be sharing a two-bed room with another UMI participant. The cost of 400 USD per person covers surface transportation from and returning to Tokyo, lodging (based on Double accommodations) for 2 nights in standard hotels (including two dinners) and all admission fees.

***Room sharing assignments will be made soon.***

**IMPORTANT NOTES:** Appropriate clothing in case of rain is encouraged. Footwear for walking on muddy or pebbly dirt is necessary who wish to have a closer look. Note the possible inhale of sulfuric gasses and smell especially for those who has asthmatic or throat disease.

The participants will be picked up after hotel checkout early in the morning of Oct. 18<sup>th</sup> near the university or the Tokyo Garden Hotel. The exact places and time of collection will be announced. All openings for the Tour have been filled and are no longer available.

**HOTEL CONTACT INFORMATION:**

Oct 18: Hakone Green Plaza Hotel, +81 460-84-8611, FAX (81) 460-84-8612

Oct 19: Grand Hotel Meiji-Kan, +81 558-98-1011, FAX +81 558-98-0324

Oct 20: For Double Accommodations: Shinjuku Washington

+81 3-3343-3111, Fax +81 3-3342-257

Oct 20: For Single Accommodations: Shinjuku New City Hotels

+81 3-3375-6511, Fax: +81 3-3375-653