INTRODUCTION

The challenge of all granular materials is that they rearrange their fabric in response to deformation, giving rise to complex behaviour seen at macro scale. In addition, all geomaterials must be considered potentially crushable, even strong-grained sandy soils, but weak-grained soils such as weathered residual soils, volcanic ash deposits and some recycled materials, are especially crushable and compressible. In line with performance-based design criteria, accurate evaluation of their physical characteristics has become necessary when using these geomaterials. In addition, there have been rapid technological advances in image processing, highly accurate measurement systems and high-speed computation which have enhanced research in geomaterials, with a special emphasis on their particulate nature.

Re-examination of geomaterials, which consist of aggregates, from a microscopic point of view can shed light on our understanding of significant macroscopic behaviour, such as compressibility, anisotropy, yielding, creep, cyclic liquefaction and shear rupture. In the process, new methods of material characterization should emerge which may lead to greater confidence in the specification of a new generation of constitutive models with physically meaningful parameters. Invigorating this development is the new drive for sustainability leading to an increased utilization of recycled materials for geotechnical applications. Since the characteristics of recycled materials, such as compressibility and self-hardening, may differ from those of natural materials, it is believed that evaluation from a particulate perspective is indispensable.

This symposium will provide the opportunity for an international exchange of ideas, as well as serve as a base for the dissemination of information regarding experiments, numerical models and practical engineering problems related to material evaluation which considers the particulate nature of geomaterials.
THEMES

Micro and macroscopic characterisation
- Particle characterisation
- Deposition and sedimentation
- Visualisation of particle movement
- Macroscopic behaviour
- Particulate theories
- Experimental techniques for particulate materials

Discrete element and continuum modelling
- Particle characterisation methods for modelling
- Practical applications of discrete element methods
- Representation and interpretation of fundamental behaviour
- Novel numerical analysis methods
- Material parameters for continuum models related to particle properties

Engineering applications
- Site investigation
- Embankment and reclamation
- Bearing capacity
- Landslide stability
- Exploitation of natural resources
- Railway ballast

IMPORTANT DEADLINES

Submission of Abstract: 30 November, 2005
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Submission of Manuscript: 10 February, 2006
Deadline for final paper: 31 March, 2006

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( in corporation with TC35 )

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REGISTRATION

Registration for the Symposium must be made through the IS-Yamaguchi 06 Website at http://web.cc.yamaguchi-u.ac.jp/~isy06/index.html

<table>
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<tr>
<th>Registration Fee (Prices in Japanese Yen)</th>
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<tr>
<td>Category</td>
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<tr>
<td>ISSMGE member</td>
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<tr>
<td>ISSMGE non-member</td>
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<tr>
<td>Student</td>
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<td>Accompanying Person</td>
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</tbody>
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Notes:
(1) The registration fee includes:
- Admission to all technical sessions
- Lunch and coffee break
- Welcome reception and Banquet
- Transportation between hotel and university
- A printed copy of the symposium proceedings

(2) The Student registration fee includes:
- Admission to all technical sessions
- Lunch and coffee break
- Welcome reception and Banquet
- Transportation between hotel and university

(3) The Accompanying Person registration fee includes:
- Welcome reception and Banquet
- Transportation between hotel and university
## SCHEDULE

<table>
<thead>
<tr>
<th>September</th>
<th>11-Sep</th>
<th>12-Sep</th>
<th>13-Sep</th>
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<tbody>
<tr>
<td>Registration (8:30 -)</td>
<td>Technical Session(2)</td>
<td>Technical Session(6)</td>
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<td>Opening Ceremony</td>
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<tr>
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<td></td>
<td>Keynote Lecture(2)</td>
<td>Keynote Lecture(3)</td>
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<tr>
<td>Coffee Break</td>
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<tr>
<td>Poster Presentation(1)</td>
<td>Poster Presentation(2)</td>
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<tr>
<td>Lunch and Poster Discussion(1)</td>
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<td>Lunch and Poster Discussion(3)</td>
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<tr>
<td>Special &amp; Keynote Lecture(1)</td>
<td>Technical Session(5)</td>
<td>Technical Session(7)</td>
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<tr>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td>Closing Ceremony</td>
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<tr>
<td>Technical Session(2)</td>
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<tr>
<td>Welcome Reception (18:30 to 20:30)</td>
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## VENUE

The symposium will take place at the Faculty of Engineering, Yamaguchi University (Tokiwadai Campus), which is located in Ube City. It is an industrial city with a population of about 180,000.
ACCESS TO VENUE

By Air
1.5 hrs from Haneda Airport (Tokyo) to Yamaguchi-Ube Airport and 15 minutes from Yamaguchi-Ube Airport to campus by taxi.

Trains
Shin-Yamaguchi station is located 5 hrs from Tokyo Station, 2.5 hrs from Shin-Osaka station, 30 minutes from Hiroshima station and 40 minutes from Hakata station by Shinkansen (Bullet train-Nozomi).

From Shin-Yamaguchi station to Ube-Shinkawa station, take Ube Line (13 stops – 55 min.).

Bus from Shin-Yamaguchi Station
45 minutes by Express Bus, or 56 minutes by Rapid Bus from Shin-Yamaguchi Station (No. 52, 53) to Ube-Shinkawa station.

From Ube-Shinkawa station
10 minutes by taxi from Ube-Shinkawa Station to the Department of Engineering, Yamaguchi University.

Note:
In most cases, international flights to Japan arrive at the New Tokyo International Airport (Narita: NRT). Most domestic flights arrive at Tokyo International Airport (Haneda: HND). Rail and limousine bus service provide convenient connections to and from Haneda Airport.

HOTELS
Hotel Reservation can be made through the IS-Yamaguchi 06 website at http://web.cc.yamaguchi-u.ac.jp/~isy06/index.html

Hotel reservation will be made on first-come, first-served basis.

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Single</th>
<th>Remark</th>
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<tbody>
<tr>
<td>ANA Hotel Ube</td>
<td>JPY 12,000~</td>
<td>Without b’fast</td>
</tr>
<tr>
<td>International Hotel Ube</td>
<td>JPY 6,000~</td>
<td>Without b’fast</td>
</tr>
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</table>

Note: As of April 1, 2006, the exchange rate is JPY117 to US$1.

PAYMENT METHODS FOR SYMPOSIUM REGISTRATION, HOTEL RESERVATION AND TOUR

1. By Credit Card
We only accept Visa/Master/Amex/JCB card. The payment should be made either online or by faxing the registration form. Please click to download the form. http://apollon.nta.co.jp/ccform/ccform6154e.pdf
FAX number is +81-6-6376-6465

2. By Bank Transfer
Please transfer the amount to our account below.
Bank Name: RESONA BANK, LTD
Branch Name: JR-NISHINIHON SUB-BRANCH
Account Number: 0000665
Account Name: Nippon Travel Agency Co.,Ltd.
International Tourist Branch
Bank Address: 2-4-24, Shibata, Kita-ku, Osaka 530-8341 JAPAN
Swift Code: DIWAJPJT
GENERAL INFORMATION

Passports & Visas:
Every foreign visitor entering Japan must have a valid passport.
Upon request, an invitation letter will be provided by the Secretariat to obtain travel visas to Japan.

Currency:
The currency used in Japan is yen. Foreign currencies or traveler’s checks can be freely changed to yen at major banks, hotels and airports.
Only Japanese yen (¥) are accepted at stores and restaurants.
It is necessary to show your passport when charging traveler’s checks.
Bills come in units of 1,000, 5,000, 10,000 yen and coins in units of 1, 5, 10, 50, 100 and 500 yen.
The approximate rate of exchange is JPY117 for US $1 (as of April 1, 2006).

T/C & Credit Cards:
Traveler’s checks are not as popular in Japan as in some other countries.
They are usually accepted only by leading banks and major hotels.
American Express, VISA, MasterCard, and Diner’s Club are widely accepted at hotels, department stores, some shops, and some restaurants.

Climate:
In September, the average daytime temperature in Yamaguchi is between 23-27°C.

Tipping:
There is no custom of individual tipping in Japan. Tips are usually included in the bill as a service charge, if needed.

Electrical Appliances:
Japan operates on 100 volts for electrical appliances.
The frequency is 60Hz in western Japan, including Yamaguchi, Osaka and Kyoto, and 50Hz in eastern Japan, including Tokyo.
Please fill in the blanks as below, and send this form to NTA West Event & Convention Branch by fax.

**Nippon Travel Agency Co., Ltd. (NTA), West Event & Convention Branch**

<table>
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<tr>
<th>Event Name:</th>
<th>Inquiry No.:</th>
</tr>
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**Company of your Credit Card**

- **VISA**
  - Expiration date (yyyy/mm): __________
  - Card Holder's Name: __________

- **MasterCard**
  - Amount (JPY): __________
  - Signature: __________

- **AMEX**
  - Method of Payment: ONE TIME ONLY
  - Date (yyyy/mm/dd): __________

- **Diners**