

# International Workshop on Neutrino Masses and Mixings

—Toward Unified Understanding of  
Quark and Lepton Mass Matrices—

University of Shizuoka

December 17-19, 2006

July, 2006

## First Circular

The International Workshop on Neutrino Masses and Mixings —Toward Unified Understanding of Quarks and Lepton Mass Matrices— will be held at University of Shizuoka on December 17-19, 2006. The purpose of the Workshop is to have intensive discussions on the neutrino masses and mixings.

The previous workshop at Shizuoka was held on March 19-21, 1997. The subject was on masses and mixings of quarks and leptons. The purpose of the previous workshop was to give a clue to a unified understanding of quarks and leptons by investigating their masses and mixings. The participants include not only theorists but also experimentalists. The Shizuoka Workshop 2006 will be held along the similar line. However, considering recent remarkable progress of the neutrino physics, this time, the topics will be concentrated on the neutrino masses and mixings.

The Workshop will be sponsored by University of Shizuoka. For all the speakers and young participants, a part (not full) of their local travel expenses (not including travel expenses from abroad) and hotel charges will be supported by the University.

### 1 Tentative Schedule

December	9:00 ~ 12:00	13:30 ~ 18:00	
17 (Sun.)		Talks and Discussions	Welcome Party
18 (Mon.)	Talks and Discussions	Talks and Discussions	
19 (Tue.)	Talks and Discussions	13:30 ~ 15:30 Talks and Disc.	

## 2 Topics

- Neutrino oscillation and the related topics
- Cosmological neutrinos and neutrino telescopes
- CP violation in the lepton sector
- Leptogenesis
- FCNC with/beyond the standard model
- How to measure of  $\sin \theta_{13}$  and sign of  $\Delta m_{23}^2$
- Origin of the neutrino masses: seesaw or radiative?
- Discrete symmetry and neutrino mass matrix
- Unification model of quark and lepton mass matrices
- Mass matrix model with non-standard Higgs scalars

## 3 Site of Workshop

University of Shizuoka  
52-1 Yada, Suruga-ku, Shizuoka-shi 422-8526, Japan

You will be able to find a wonderful landscape of Mt. Fuji at the workshop site. Shizuoka is located at the middle area between Tokyo and Nagoya (it takes one hour by Super Express Train “Shinkan-sen”).

Information on the climate will be given in the Workshop Website and the second circular.

## 4 Registration and Conference fee

If you are interested in participating in the Workshop, please mail the following items tentatively to [koide@u-shizuoka-ken.ac.jp](mailto:koide@u-shizuoka-ken.ac.jp) by September 30, 2006.

- (a) Your first name and family name.
- (b) Institute
- (c) Do you want to give a talk? If you want it, please give a tentative title.

The registration fee for Shizuoka Workshop is free.

## 5 Proceedings

We plan the publication of the proceedings of the Workshop. The speakers will be requested to contribute the manuscripts of their talks to the proceedings. The participants will receive a free copy of the proceedings.

## 6 Second Circular

The second circular will be sent in October 2006. It will include the scientific program, further information on the workshop site, hotel, transportation, and so on.

## 7 Organizing Committee

Yoshio Koide (University of Shizuoka, Chairperson)  
Hisakazu Minakata (Tokyo Metropolitan University)  
Takuya Morozumi (Hiroshima University)  
Joe Sato (Saitama University)  
Morimitsu Tanimoto (Niigata University)  
Zhi-zhong Xing (IHEP, CAS, Beijing)

## 8 Correspondence

For further correspondence and information, please contact

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The latest announcement will be given in the Website:

<http://phys.u-shizuoka-ken.ac.jp/>

(<http://phys.u-shizuoka-ken.ac.jp/us-hep/workshop/ws06nmm/NMM06.html>)