MEXT Grant-in-Aid for Scientific Research on Innovative Areas

***“Interaction and Coevolution of the Core and Mantle”***

**Student internship program on**

**“Stable isotope micro-analytical techniques”**

We are glad to announce an internship program for postgraduate students to learn the practical aspects of analytical techniques used for stable isotopes by conventional isotope ratio mass spectrometry. The internship will start with an introductory one day lecture on the basics of stable isotope geochemistry. This will be followed by rigorous hands on experience on experimental techniques as given below

1. Micro volume sampling techniques for different minerals,
2. Handling of ultra-high vacuum metal and glass lines,
3. Methods for preparation, separation and purification of various gas species for stable isotope measurements (CO2, H2O, N2, O2, SF6),
4. Dual inlet gas source mass spectrometry,
5. Data reduction and practical applications

Date : June 19-24, 2017 (five nights and six days).

Language : Japanese and/or English .

Venue : Faculty of Science, Niigata University.

Participants : Post graduate students (Max. 6 students).

Prerequisites : Basic knowledge in chemistry.

Support : Travel expenses will be supported upon request.

Expenses : Participants have to bear food and accommodation

expenses by themselves.

Coordinator : Prof. M. Satish-Kumar

(Email: [satish@geo.sc.niigata-u.ac.jp)](mailto:satish@geo.sc.niigata-u.ac.jp))

Application : Please send an email request to the coordinator to obtain the application form.

Deadline : 20th May, 2017

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**Application form**

(Please fill in Japanese or in English)

**Name:** (Mr. /Ms.)

**Affiliation**:

**Address:**

**Email:**

**Tel:**

**Present status**:

*(Specify student (Master course, Doctoral course), Post doctoral fellow, etc.)*

**If student, supervisor’s name**:

**Travel support request**: (Yes or No)

*(Shared guest house accommodation will be arranged at the Ikarashi campus, Niigata Univ.)*

**Any special request**:

*(Food restriction, accommodation, etc.)*

**Please provide a short description of the reason for attending the internship**

**(within 200 words)**