

地球圈层活动研究国际学术讨论会

3Prd KAGI21 International Symposium

(November 8-10, 2005)

Time Schedule for Science Program

November 8, 2005

| Morning Nov.8 | | | Afternoon Nov.8 | | | | |
|------------------|------------------------|-------------|------------------|--------|--------------------|--------|-----------|
| Big Meeting Hall | | | Big Meeting Hall | | Small Meeting Hall | | |
| 9:00 | Welcome Address | | 14:00 | T1-1 | Zhang PZ | T6-1 | Kasaba Y |
| 9:10 | | | 14:10 | | | | |
| 9:20 | | | 14:20 | T1-2 | Zhang JJ | T6-2 | Deng XH |
| 9:30 | G-1 | Yoden S | 14:30 | | | | |
| 9:40 | | | 14:40 | T1-3 | Otofuji Y | T6-3 | Machida S |
| 9:50 | Coffee and Group Photo | | 14:50 | | | | |
| 10:00 | | | 15:00 | | | T6-4 | Tang RX |
| 10:10 | | | 15:10 | T1-4 | Qiao QQ | | |
| 10:20 | | | 15:20 | | | T6-5 | Lu QM |
| 10:30 | G-2 | Dehant V | 15:30 | Coffee | | | |
| 10:40 | | | 15:40 | | | Coffee | |
| 10:50 | | | 15:50 | | | | |
| 11:00 | G-3 | Vincent R.A | 16:00 | T1-5 | Yang T | | |
| 11:10 | | | 16:10 | | | T6-6 | Nose M |
| 11:20 | | | 16:20 | T1-6 | Hirajima T | | |
| 11:30 | G-4 | Hsu HZ | 16:30 | | | T6-7 | Ma SY |
| 11:40 | | | 16:40 | T1-7 | Rolfo F | | |
| 11:50 | | | 16:50 | | | T6-8 | Yuan ZG |
| 12:00 | | | 17:00 | | | | |
| | | | 17:10 | T1-8 | Wang QC | T6-9 | Zhou ZY |
| | | | 17:20 | | | | |
| | | | 17:30 | End | | End | |

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(November 8-10, 2005)

Time Schedule for Science Program

November 9, 2005

| Morning Nov.9 | | | | |
|------------------|--------|---------------|--------------------|-------------|
| Big Meeting Hall | | | Small Meeting Hall | |
| 9:00 | T2-1 | Ishikawa Y | T6-10 | McCreadie H |
| 9:10 | | | | |
| 9:20 | | | T6-11 | Guo XC |
| 9:30 | T2-2 | Bo WJ | | |
| 9:40 | | | T6-12 | Katoh Y |
| 9:50 | T2-3 | Iyemori T | | |
| 10:00 | | | T6-13 | Omura Y |
| 10:10 | T2-4 | Mori J | | |
| 10:20 | | | T6-14 | Pu ZY |
| 10:30 | Coffee | | | |
| 10:40 | | | Coffee | |
| 10:50 | | | | |
| 11:00 | T2-5 | Hsu HZ | | |
| 11:10 | | | T5-1 | Suzuki J |
| 11:20 | | | | |
| 11:30 | T2-6 | Jing Liu-Zeng | T5-2 | Satomura T |
| 11:40 | | | | |
| 11:50 | T2-7 | Howladar F | T5-3 | Kiguchi M |
| 12:00 | | | | |
| 12:10 | | | | |
| | | | | |

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November 9, 2005

| Afternoon Nov.9 | | | | |
|------------------|--------|------------|--------------------|-----------------------|
| Big Meeting Hall | | | Small Meeting Hall | |
| 14:00 | T3-1 | Jentzsch G | T5-4 | Ueda H |
| 14:10 | | | | |
| 14:20 | | | T5-5 | Konda M |
| 14:30 | T3-2 | Liu YW | | |
| 14:40 | | | T5-6 | Kawamura R |
| 14:50 | T3-3 | Zhang Y | | |
| 15:00 | | | T5-7 | He YQ |
| 15:10 | T3-4 | Wu Y | | |
| 15:20 | | | Coffee | |
| 15:30 | Coffee | | | |
| 15:40 | | | | |
| 15:50 | | | T5-8 | Liu J |
| 16:00 | T3-5 | Hirahara K | | |
| 16:10 | | | T5-9 | Yu YQ |
| 16:20 | T3-6 | Li ZX | | |
| 16:30 | | | T5-10 | Jiang DB |
| 16:40 | T3-7 | Wu JC | | |
| 16:50 | | | T5-11 | Kitoh A |
| 17:00 | T3-8 | Jiang ZS | | |
| 17:10 | | | | |
| 17:20 | End | | End | |

地球圈层活动研究国际学术讨论会

3PrdP KAGI21 International Symposium

(November 8-10, 2005)

Time Schedule for Science Program

November 10, 2005

| Morning Nov.10 | | | | Afternoon Nov.10 | | | |
|------------------|--------|--------------------|--------|------------------|-------|-----------------|------------|
| Big Meeting Hall | | Small Meeting Hall | | Big Meeting Hall | | | |
| 9:00 | T3-9 | Niu AF | T5-12 | Han Zou | 14:00 | G-5 | Takemoto S |
| 9:10 | | | | | 14:10 | | |
| 9:20 | T3-10 | Ponte R.M | | | 14:20 | | |
| 9:30 | | | T4-1 | Fang XM | 14:30 | | |
| 9:40 | | | | | 14:40 | G-6 | Wang B |
| 9:50 | T3-11 | Xu PL | T4-2 | Wu JY | 14:50 | | |
| 10:00 | | | | | 15:00 | | |
| 10:10 | T3-12 | Fukuda Y | T4-3 | Xiao JL | 15:10 | | |
| 10:20 | | | | | 15:20 | Coffee | |
| 10:30 | Coffee | | Coffee | | 15:30 | | |
| 10:40 | | | | | 15:40 | G-7 | Chen JY |
| 10:50 | | | | | 15:50 | | |
| 11:00 | T3-13 | Reid I.M | T4-4 | Matthews J.P | 16:00 | | |
| 11:10 | | | | | 16:10 | | |
| 11:20 | T3-14 | Abo M | T4-5 | Nakagawa T | 16:20 | G-8 | Chen YT |
| 11:30 | | | | | 16:30 | | |
| 11:40 | T3-15 | Igarashi K | | | 16:40 | | |
| 11:50 | | | T4-6 | Takemura K | 16:50 | | |
| 12:00 | T3-16 | Moskovchenko | | | 17:00 | Closing Address | |
| 12:10 | | | | | 17:10 | | |
| | | | | | 17:20 | | |
| | | | | | 17:30 | End | |

地球圈层活动研究国际学术讨论会

3Prd KAGI21 International Symposium

(November 8-10, 2005)

Time Schedule for Science Program (Detail)

9:00—12:00, Nov. 8, 2005, Opening Section and General Topic

09:00—09:30 Nov. 8, 2005 Opening Section in Big Meeting Hall

Convener: Prof. Hsu HZ

09:00—09:30: Welcome address

09:30—09:50: G1: Yoden S, General introduction of active geosphere investigations

09:50—10:30: Group photo and coffee break

10:20—12:00 Nov. 8, 2005 General Topic in Big Meeting Hall

Convener: Prof. Takemoto

10:30—11:00: G2: Dehant V, Earth rotation and orientation and perspectives for planetary geodesy

11:00—11:30: G3: Robert A. Vincent, Peter Love and Sujata Kovalam, Gravity Wave Coupling in the equatorial atmosphere and ionosphere

11:30—12:00: G4: Hsu HZ, Detection of temporal gravity change and its role in the Earth science

12:00-14:00, Lunch time

14:00—17:30, Nov. 8, 2005, Topic 1, Topic 6

14:00—17:30 Nov. 8, 2005 Topic1 in Big Meeting Hall

Convener: Prof. Hirajima T, Zhang PZ

14:00—14:20: T1-1: Zhang PZ, Himalayan-Tibet collision tectonics 1: Contemporary deformation and strain partition in the Tibetan Plateau

14:20—14:40: T1-2: Zhang JJ, Himalayan-Tibet collision tectonics 2: Post-collisional tectonics in the northern Himalaya

14:40—15:00: T1-3: Yo-ichiro Otofujii and Kazuhiro Takemoto, Himalayan-Tibet collision tectonics 3: Internal deformation of the tectonic blocks in Southeast Asia due to collision of India inferred from the Palaeomagnetism

15:10—15:30: T1-4: Qiao QQ, Liu QS, Fu YY, Zhao ST, Wu Y, Jin ZM, Geophysical parameters correlated to UHP rocks 1: Curie point depth investigation of UHP metamorphic belt, eastern China

15:30—16:00: coffee break

16:00—16:20: T1-5: Yang T, Liu QS, Wu Y, Xu HJ, Jin ZM, Pan HP, Niu YX, Chan LS, Geophysical parameters correlated to UHP rocks 2: Pressure effect of magnetic susceptibility of UHP metamorphic rocks from Chinese continental scientific drilling

16:20—16:40: T1-6: Takao Hirajima and Daisuke Nakamura, Dabie-Sulu collision tectonics 1: "In situ" evidence of UHP rocks in Dabie-Sulu Orogen

16:40—17:00: T1-7: Franco Rolfo, Simona Ferrando, Roberto Compagnoni, Maria Luce Frezzotti, Dabie-Sulu collision tectonics 2: UHP terrances and fluids in Dabie Shan and Sulu (China)

17:10—17:30: T1-8: Wang QC, Evidenced exhumation process of the Dabie UHP terrane

17:30 end

14:00—17:30 Nov. 8, 2005 Topic6 in Big Meeting Hall

Convener: Prof. Omura Y, Deng XH

14:00—14:20: T6-1: Yasumasa Kasaba, Electric Field, Plasma Waves, and Radio Waves Observations from Space: JAXA Space Science Projects

14:20—14:40: T6-2: Deng XH, Tang RX, Zhou M, Li SY, J. S. Pickett, A. N. Fazakerley, M. Andre, W. Baumjohann, A. Vaivads, R. Nakamura, and Liu ZX, The microphysics of collisionless reconnection

14:40—15:00: T6-3: Shinobu Machida and Keizo Fujimoto, Structure of the Current Sheet Near the Magnetic Neutral Line

15:00—15:20: T6-4: Tang RX, Deng XH, Chen Y, Hu YH, Li SY, Liu K, Wang JF, Liu ZX, R. Nakamura, W. Baumjohann, H. Reme, P. W. Daly, Current sheet structure and particle properties near tail reconnection diffusion region by Cluster and Double Star

15:20—15:40: T6-5: Lu QM, Guo F and Wang S, Magnetic spectral signatures in the terrestrial plasma depletion layer: hybrid simulations

15:40—16:00: coffee break

16:10—16:30: T6-6: Masahito Nose, Dynamics of ions of ionospheric origin in geospace

16:30—16:50: T6-7: Ma SY, Wang H, Dang G, H. Luehr, K. Schlegel, Coupling of Ionosphere and Magneto- sphere: Storm-Time Ionospheric O⁺ Ion Outflow and Large Scale Field-Aligned Currents

16:50—17:10: T6-8: Yuan ZG, Ryoichi Fujii, Satonori Nozawa, and Yasunobu Ogawa, Statistical height-dependent relative importance of the Lorentz force and Joule heating in generating atmospheric gravity waves in the auroral electrojets

17:10—17:30: T6-9: Zhou ZY, TBA

17:30 end

9:00—12:10, Nov. 9, 2005, Topic 2 and Topic 5 and Topic 6

09:00—12:10 Nov. 9, 2005 Topic 2 in Big Meeting Hall

Convener: Prof. Mori J, Wu Y

09:00—09:30: T2-1: Ishikawa Y, R. Ghose and K. Oike, The Sumatora M9 earthquake and the seismicity changes

09:30—09:50: T2-2: Bo WJ, Guo L, Yang G, and Du X, Researches on application of GPS to earthquake monitoring and prediction

09:50—10:10: T2-3: Toshihiko Iyemori, Masahito Nose, Han DS, Gao YF, Michio Hashizume, Yoshikazu Tanaka, Hiroyuki Shinagawa, Heather McCreddie, Yoko Odagim, Yang FX, Nithiwatthn Choosakul, Mitsuru Utsugi, Akinori Saito, Geomagnetic Pulsations Caused by Earthquake and Volcanic Eruption

10:10—10:30: T2-4: Mori J, Source inversion of the 1976 Tangshan earthquake

10:30—11:00: coffee break

11:00—11:30: T2-5: Hsu HZ, and Xiong X, Research activities on crustal movement and related mechanism in IGG, CAS

11:30—11:50: T2-6: Jing Liu-Zeng et al., Paleoseismic Investigation on the Western Haiyuan Fault: Linking Geodetic and Geological Fault Rates

11:50—12:10: T2-7: Farhad Howladar, Seismic fault zone prediction in the earthquakes affected area. NW Himalaya by finite element method with its neotectonic implications

09:00—10:40 Nov. 9, 2005 Topic 6 in Small Meeting Hall

Convener: Prof. Omura Y, Deng XH

09:00—09:20: T6-10: Heather McCreadie, The 2003 Halloween Super-storm geomagnetic response from a low latitude perspective

09:20—09:40: T6-11: Guo XC and Chen CX, Studies on the Cross-tail Size of Bubbles in the Earth's Magnetosphere

09:40—10:00: T6-12: Yuto Katoh and Yoshiharu Omura, Simulation Study on Resonant Scattering Process of Relativistic Electrons due to Narrow Band Whistler Mode Waves in the Inner Magnetosphere

10:00—10:20: T6-13: Yoshiharu Omura, Yuto Katoh, and Danny Summers, Whistler Mode Wave-Particle Interactions Controlling High Energy Electrons in Geospace Environment

10:20—10:40: T6-14: Pu ZY, Liu ZX and M. Dunlop Double Star and Cluster Observations of Magnetic Reconnection at the Dayside Magnetopause

10:40—11:10: coffee break

11:10—12:10 Nov. 9, 2005 Topic 5 in Small Meeting Hall

Convener: Prof. Satomura T, Zhu J

11:10—11:30: T5-1: Junko Suzuki and Masato Shiotani, Space-time variations of Equatorial Kelvin wave activity around the tropical tropopause region

11:30—11:50: T5-2: Takehiko Satomura, Diurnal variation of precipitation in tropical monsoon Asia

11:50—12:10: T5-3: Masashi Kiguchi, Takehiko Satomura and Jun Matsumoto, The pre-monsoon rainfall phenomena and its simulation using MM5 over the Indochina Peninsula

12:10-14:00, Lunch time

14:00—17:30, Nov. 9, 2005 Topic 3 and Topic 5

14:00—17:30 Nov. 9, 2009 Topic 3 in Big Meeting Hall

Convener: Prof. Fukuda Y, Wang Y

14:00—14:30: T3-1: Jahr, T, G. Jentzsch, H. Letz and A. Gebauer, Fluid-induced Deformation of the Upper Crust: Monitoring of Tilt Changes due to Water Injection around the KTB-Site in Germany

14:30—14:50: T3-2: Liu YW, Earthquake monitoring and prediction methods of underground fluid in Chinese mainland

14:50—15:10: T3-3: Zhang Y and Wu Y, Earthquake prediction based on crustal deformation data

15:10—15:30: T3-4: Wu Y, Zang Y, Zhou SY and Chen ZY, Precursory focus positioning (PFP) of crustal deformation

15:30—16:00: coffee break

16:00—16:20: T3-5: Hirahara K and N. Mitsui, Slow Slip Events Observed by GPS and Their Generation Mechanism Related to Slab Dip through Earthquake Cycle Simulations Based on Rate- and State-Dependent Friction Law

16:20—16:40: T3-6: Li ZX, A study on earthquake-related geoid deformations at Beijing-Tangshan during 1987-1998

16:40—17:00: T3-7: Wu JC, Tang HW, Chen YQ and Li YX, The crustal deformation of North China and its implications by GPS measurements

17:00—17:20: T3-8: Jiang ZS, Yang GH and Fang Y, Studying crustal movement and strong earthquake characteristics of Chinese mainland in the near future using GPS data

17:20: End

17:30: Dinner

14:00—17:30 Nov. 9, 2005 Topic 5 in Small Meeting Hall

Convener: Prof. Satomura T, Zhu J

14:00—14:20: T5-4: Hiroaki UEDA, Role of the Tibetan plateau in the establishment and fluctuation of the Asian summer monsoon

14:20—14:40: T5-5: Masanori Konda and Motoki Nagura, The seasonal development of the SST anomaly in the Indian ocean and its relationship with ENSO

14:40—15:00: T5-6: Ryuichi Kawamura, On the recent change of the Indian summer monsoon-ENSO relationship

15:00—15:20: T5-7: He YQ, Changing Features of the Climate and Glaciers in China's Monsoonal Temperate-Glacier Region

15:20—15:50: coffee break

15:50—16:10: T5-8: Chen X and Liu J, Asian monsoon indices and their long term variabilities from ECHO-G Model

16:10—16:30: T5-9: Yu YQ, Wang B, Zhou TJ, Liu HL, Yu RC and Zhang XC, The IAP coupled climate model FGOALS and its application in Paleo-Climatology Modeling

16:30—16:50: T5-10: Jiang DB, Wang HJ, Ding ZL, Lang XM and Helge Drange, Modeling the middle Pliocene climate with a global AGCM

16:50—17:20: T5-11: Akio Kitoh, Monsoon-ENSO modulation by mountain uplift

17:20 End

17:30 Dinner

9:00—12:10, Nov. 10, 2005, Topic 3, Topic 4 and General Topic

9:00—12:10, Nov. 10, 2005 Topic 3 in Big Meeting Hall

Convener: Prof. Fukuda Y, Wang Y

09:00—09:20: T3-9: Niu AF, Ji P, Jiang Z and Zhang J, On the tectonic deformation related to Zhangbei Ms6.2 earthquake

09:20—09:50: T3-10: Ponte R. M, Some aspects of ocean modeling relevant for geodetic applications

09:50—10:10: T3-11: Xu PL, Fukuda Y and Liu Y, Multiple parameter regularization: Numerical solutions and applications to the determination of

geopotential from precise COSMIC orbits

10:10—10:30: T3-12: Fukuda Y, A. Saito, T. Tsuda, A. Araya, H. Kunimori, T. Otsubo and Y. Aoyama, A gravity mission plan by means of a small LEO satellite

10:30—11:00: coffee break

11:00—11:20: T3-13: Reid, I.M., Wang JF, Zhao ZY and Tang CC, The Wuhan MST Radar Project

11:20—11:40: T3-14: Makoto Abo, Chikao Nagasawa and Yasukuni Shibata, Lidar Observations of Mesospheric Temperature and Metallic Species over Equator

11:40—12:00: T3-15: K. Igarashi, Hu X and Zhang XJ, Comparison of mesospheric winds between Wuhan (30.7° N, 114.5°E) and Yamagawa (31.2° N, 130.6° E) using MF radar

12:00-12:20: T3-16: L. Moskovchenko, Separation of the Tsunami Electromagnetic Signal from the Ionospheric Background Noise

12:20: Lunch

**09:30—12:10 Nov. 10, 2005 Topic 4 in Small Meeting Hall
Convener: Prof. Takemura K, Ding ZL**

09:00—09:30: T5-12: Han Zou, Impacts of Himalayas on the Atmospheric system

09:30—09:50: T4-1: Fang XM, Episodic uplift of the northeast Tibetan Plateau and the influence on environment evolution during the late Cenozoic

09:50—10:10: T4-2: Wu JY and Wang YJ, Precessional cycles and millennial-scale climate variability of East-Asian monsoon over the past 225 ka

10:10—10:30: T4-3: Xiao JL, Holocene climate change at summer monsoon edge over northern China

10:30—11:00: coffee break

11:00—11:20: T4-4: John Philip Matthews, High spatial resolution remote sensing of Tibetan Lakes using aster images

11:20—11:50: T4-5: Takeshi Nakagawa, Hiroyuki Kitagawa and Yoshinori Yasuda,

Regional variety of deglacial climate changes, two types of forcing agents, and non-linear response of climate system

11:50—12:10: T4-6: Keiji Takemura, Japanese lacustrine records as a knot between continent and ocean environmental change

12:00-14:00, Lunch time

14:00—17:30, Nov. 10, 2005, General Topic and Closing Section

14:00—17:30 Nov. 10, 2005 General Topic in Big Meeting Hall

Convener: Prof. Sun He-Ping

14:00—14:40: G-5: Shuzo Takemoto, Establishment of the Absolute Gravity Network in Asia and Oceania

14:40—15:20: G-6: Wang B, Jong-Ghap Jhun and Byung-Kwon Moon, Changes of the Monsoon rainy season revealed by the longest instrumental records at Seoul (1778-2004)

15:20—15:30: coffee break

15:40—16:20: G-7: Chen JY, The Everest height in Tibetan Plateau measured in 2005

16:20—17:00: G-8: Chen YT,

17:00—17:30 Nov. 10, 2005 Closing Section in Big Meeting Hall

Convener: Prof. Yoden Shigeo

17:00—17:30: closing address