

**The Fifth International Study Conference on  
GEWEX in Asia and GAME  
3-5 October, 2001**



Aichi Trade Center  
Nagoya, Japan

**Program**

**3rd October, 2001 (Wed)**

**Registration** 9:30-10:00

**Opening Session** 10:00-10:20  
Chair: K. Nakamura

**Session 1 Energy and Water cycles in monsoon Asia, Part I** 10:20-11:40  
Chair: M. Sugita

**S1-01** Observation on water isotopes in eastern Siberia for water cycle study 10:20-10:35  
A. Sugimoto, D. Naito, A. Numaguti, K. Ichyanagi, N. Kurita, Y. Ishii

**S1-02** Turbulent flux over the southeastern Tibetan Plateau 10:35-10:50  
L. Bian, Z. Gao, X. Xu, Y. Cheng, L. Lu

**S1-03** Experimental studies of hydroclimatic characteristics of subarctic tundra landscapes of Eastern Siberia 10:50-11:05  
A. Georgiadi, A. Zolotokrylin, V. Malyshev, O. Vladimir, N. Ozerov

**S1-04** On using LSMs to check the surface energy budget at the GAME/Tibet stations 11:05-11:20  
I. Takayabu, K. Takata, T. Yamazaki, H. Ishikawa, O. Tsukamoto, J. Kim

**S1-05\*** On measuring and modeling of surface energy partitioning on the Tibetan Plateau 11:20-11:40  
J. Kim, T. J. Choi, N.Y. Chae, J.K. Hong, Z. Gao, I. Takayabu, J. K. Kim, J. W. Kim

**Poster Session Core time (P1, for the numbers of odd)** 11:40-12:40

**Lunch** 12:40-14:00

**Session 2 Energy and Water cycles in monsoon Asia, Part II** 14:00-15:40  
Chair: J. Kim

**S1-06** Simulation of seasonal variation of energy balance over a hill evergreen forest in northern Thailand with multi-layer model 14:00-14:15  
K. Tanaka, H. Takizawa, N. Tanaka, I. Kosaka, N. Yoshifuji, C. Tantasirin, M. Suzuki, N. Tangtham

**S1-07** Surface energy/water balance in the tundra region estimated by a one-dimensional land surface model -An examination of transpiration by CO<sub>2</sub> flux- 14:15-14:30  
K. Takata, H. Yabuki, T. Sato, M. Bolter, S. Emori, Y. Kodama, T. Ohata

**S1-08** Modeling analysis to energy closure problem at a GAME/Tibet Site 14:30-14:45  
K. Yang, T. Koike

**S1-09\*** Interaction between atmosphere and natural land surface 14:45-15:00  
G. N. Panin, W. Kohsiek, A. E. Nasonov

**S1-10** The period of intensive observation in the GAME study area, the vicinity of Yakutsk, in the context of long-term climatic variability 15:00-15:15  
A. Fedorov

**Break** 15:20-15:35

**Poster Session Core time (P1, for the numbers of even)** 15:40-16:40

**Session 3 Energy and water cycles in monsoon Asia Part III, and Regional Energy and Water Cycles Part I** 16:45-18:10  
Chair: Y. Wang

**S1-11** An application of Distributed Hydrology-Soil-Vegetation Model (DHSVM) in determining energy and water balance of hill evergreen forest at Kog Ma Experimental Watershed, Northern Thailand 16:45-17:00  
C. Tantasirin, N. Tangtham, H. Takizawa, M. Suzuki

**S1-12** The dynamical characteristics of boundary layer over Tibetan Plateau and its impacts: 17:00-17:15  
L. Chen, X. Xu

**S1-13\*** Correction of Fuyang radar reflectivity and usage of its data for estimation of rainfall intensity during GAME/HUBEX in 1998 17:15-17:35  
H. Uveda, T. Maesaka

**S1-14** Time-scale structure of the heat/vapor flux over the Tibetan Plateau revealed by the wavelet transform 17:35-17:50  
J. Asanuma, S. Aoki, N. Hayakawa, J. Kim, T.J. Choi, H. Lee, Z. Gao, J. Wang

**S1-15** Simulation experiment of squall line observed in the Huaihe River Basin, China: 17:50-18:05  
K. Tsuboki, A. Sakakibara

**Welcome party (at the Hotel KKR Nagoya)** 18:20-20:20

-----**Poster Sessions for 3 October, 2001**-----

Odd number's [1,3,5,...] presentation time 11:40-12:40

Even number's [2,4,6,...] presentation time 15:40-16:40

**P1-01** Study on energy and mass transfers from leaves to canopy in Larch forest of Eastern Siberia  
A. Takahashi, T. Hiyama, T. Ohta, T. Kuwada, S. Hamada, Y. Fukushima

**P1-02** Relationship between Wind and Precipitation observed with a UHF radar, GPS rawinsondes and surface meteorological instruments at Kototabang, West Sumatera during September-October 1998  
E. Murata, M.D. Yamanaka, S. Ogino, M. Fujiwara, H. Hashiguchi, S. Fukao, E. Kelana, M. Kudsy, T. Sribimawati, S. Harijono

**P1-03** Estimation of parameter on canopy conductance model based on turbulent flux observation  
I. Kosaka, H. Takizawa, K. Tanaka, M. Suzuki, C. Tantasirin, N. Tangtham

**P1-04** Surface energy budget in the Eastern Tibetan Plateau during GAME/Tibet IOP 1998  
K. Tanaka, H. Ishikawa, I. Tamagawa

**P1-05** Water exchange of permafrost forest vegetation in central Yakutia

- P1-06** Diurnal variation of GPS precipitable water vapor over Thailand during GAME-T IOP of 1998  
T.C. Maximov, A. P. Maximov, A.V. Kononov
- P1-07** The effect of precipitation on interannual variation in upper permafrost temperature, GAME study area, central Yakutia  
T. Nakaegawa, T. Kato, M. Satomura
- P1-08** The effect of EL Nino and southern oscillation (ENSO) on atmospheric water resources over northeastern part of Thailand  
P.Y. Konstantinov
- P1-09** The relation among vegetation, soil moisture and seasonal variation of evapotranspiration over Mongolia  
P. Aungsuratana
- P1-10** The thermal state of soils in northern Prilensky Plateau  
S. Mivazaki, T. Miyamoto, I. Kaihotsu, T. Yasunari, G. Davaa, D. Oyunbaatar, L. Natsagdorj
- P1-11** Water and energy flux observation over an alpine lake in central Yakutia, Eastern Siberia  
S.P. Nickolaevich, V.S. Prokopievich, S.Y. Borisovich
- P1-12** Energy and water budget estimation based on the GAME-Tropics datasets and ALMA-compliant LSP experiments  
Y. Ishii, H. Yabuki, M. Nomura, N. Kobayashi, H. Tanaka, H. Tanaka, R. V. Desyatkin
- P1-13** The features of heat and water regimes of taiga-alpine ecosystems soils  
Y. Agata, W. Kim, S. Kanae, T. Oki and K. Musiaki
- P1-14** Observational study of a developing rainband associated with Meiyu Front  
A.R. Desyatkin, T.N. Semenova, M.Ch. Nikolaeva, R.V. Desyatkin
- P1-15** The characteristics of evaporation on tundra region near Tiksi, eastern Siberia  
B. Geng, K. Tsuboki, T. Takeda, Y. Fujiyoshi, H. Uyeda
- P1-16** Mobile turbulence measurements of heat fluxes over Tibetan Plateau  
H. Yabuki, Y. Kodama, T. Ohata
- P1-17** Water and energy balance in Khwae Noi River Basin based on hydro-meteorological observation in Thailand  
J. Asanuma, H. Ishikawa, I. Tamagawa, GAME-Tibet Boundary Layer Group
- P1-18** Statistical analysis of tropical radar data  
K. Nakane, P. Polsan, C. Teavises, S. Patanompee
- P1-19** Organization process of meso-scale disturbances developed in the Mei-yu front during GAME/HUBEX '98 IOP  
K. Okumura, T. Satomura, T. Oki, W. Khantayanan
- P1-20** Analysis of water balance in an Eastern Siberian watershed  
M. Kawasima, Y. Fujiyoshi, K. Tanaka
- P1-21** Estimation of global radiation from sunshine hours and temperature observations  
N. Sato, Y. Ishii, Y. Kodama, M. Nomura
- P1-22** Monitoring of thermal state of soils in Central Yakutia  
S. Prakarnrat, W. Waranuchit
- P1-23** Hydrological simulations by the use of an atmosphere-vegetation interaction model (AVIM)  
S.P. Nickolaevich, V.S. Prokopievich, S.Y. Borisovich
- P1-24** Modeling the characteristics of interception loss in forests  
E. Su, Z. Hao
- P1-25** Factors in the development of deep convection in the southern region far from the Mei-yu front over Eastern China during the GAME/HUBEX IOP '98  
T. Toba, T. Ohata
- P1-26** Precipitation activity and the role of cyclone and cape over north Indian stations during IOP GAME period, 1998  
T. Shinoda, H. Uyeda
- P1-27** Variation in insulating effect of snow cover in Central Yakutia  
G.S.P. Rao, U.R. Joshi, U.S. De
- P1-28** Towards improvement of the land surface parametrization using the experimental study results.  
V.S. Prokopievich, S.Y. Borisovich, S.P. Nickolaevich
- P1-29** Characteristics of surface fluxes observed over Tundra in Eastern Siberia  
V.A. Shutov
- P1-30** Features of spring flood  
Y. Kodama, N. Sato, H. Yabuki, Y. Ishii, M. Nomura, T. Ohata
- P1-31** The scientific basis for the successful forecast of the heavy torrential rain and flood over the Yangtze River Valley in 1998  
S. A. Zhuravin
- P1-32** Numerical study on the Baiu front genesis by heating contrast between land and ocean  
C. Juving
- P1-33** Estimating upper tropospheric water vapor from SSM/T-2 measurements: examination of water vapor greenhouse effect  
T. Yoshikane, F. Kimura, S. Emori
- P1-34** A simple and cheap system to monitor the surface status for the validation of optical satellite remote sensing  
B.-Ju Sohn, E.-S. Chung, V. Ramanathan
- P1-35** Incorporation of four dimensional data assimilation of microwave remote sensing observations into a land surface scheme (LSS)  
A. Higuchi, K. Nishida, A. Kondoh, K. Tanaka, N. Ebisu, S. Iida, E. Nakakita
- P1-36** Seasonal change of precipitable water vapor obtained from GPS data in Thailand  
M. Satomura, M. Fujita, T. Kato, T. Nakaegawa, M. Terada
- P1-37** Vertical variation of TRMM precipitation rate in the western Pacific area  
M. Pathmathevan, T. Koike, L. Xin
- P1-38** Data assimilation of observations from microwave remote sensing into land surface model  
S. Nakaj, Y.N. Takayabu
- P1-39** A difference of diurnal variation of atmospheric circulation between wet season and dry season in tropics  
X. Li, T. Koike
- P1-40** Monsoon rain variation in Nepal during the El Nino years  
A. Watanabe, Y. Tachibana, S. Ogino, Y. Shibagaki, T. Ohsawa, K. Furukawa, Y. Nakajima, T. Pogreermddee, T. Saeweekun, Chanplong, W. Samroeng, N. Wichajarn, D. Bisoryabut, P. Patvivatsiri, M. Yamanaka, T. Oki, T. Satomura, A. Sumi, K. Mushiaki
- P1-41** The impact of ENSO phenomena in 1997-2000 on Thailand climate  
M.R. Shakya
- P1-42** Monsoon rainfall variability over south and east Asia: Impact of snow cover  
P. Patvivatsiri
- P1-43** Characteristics of spatial rainfall distribution in north-east Thailand  
R.H. Kripalani, A. Kulkarni, B.-Jo Kim, J.-ho Oh

**S. Kingpaiboon**

**P1-44** Structure of intraseasonal oscillations over Indonesia and south-east Asia

**T. Okuda, N. Okamoto, S. Ogino, M.D. Yamanaka, T. Sribimawati**

#### **4 October, 2001 (Thu)**

#### **Session 4 Regional Energy and Water Cycles Part II**

9:00-10:40

Chair: V. Vuglinski

**S2-01\*** Intra-seasonal change in rainfall in Mae Chaem Watershed, Thailand : 9:00-9:20

**K. Kuraji, S. Otaki, P. Kowitz, M. Suzuki**

**S2-02** Study of local and large-scale monsoon circulation in the eastern highland Himalayas : 9:20-9:35

**M. Bollasina, L. Bertolani, G. Tartari**

**S2-03** Large scale evaporation estimated from complementary relationship with a simple ABL model : 9:35-9:50

**M. Sugita**

**S2-04** Diurnal and seasonal variations of surface fluxes and boundary layer over the Tibetan Plateau : 9:50-10:05

**O. Tsukamoto, M. Joko, H. Ishikawa, S. Miyazaki, J. Kim, Y. Ma, Z. Hu**

**S2-05** Studies on regional water cycle and hydrologic modeling in north China 10:05-10:20

**S. Wang, R. Huang, Y. Ding, L.R. Leung, M.S. Wigmosta, L.W. Vail**

**S2-06** Main results obtained by Siberia Regional Project of GAME 10:20-10:35

**T. Ohata, Y. Fukushima**

**Poster Session Core Time (P2, for the numbers of odd) 10:40-11:40**

**Lunch 11:50-13:20**

#### **Session 5 Regional Energy and Water Cycles Part III, and GCM and regional climate model studies**

13:30-14:50

Chair: F. Kimura

**S2-07\*** Flux distributions of heat and carbon dioxide in the atmospheric boundary layer over non-homogeneous surface in Eastern Siberia 13:30-13:50

**T. Hiyama, M. Strunin, J. Asanuma, M. Mezzin, R. Suzuki, T. Ohata**

**S2-08** Regional numerical simulation of surface heat fluxes and energy budget over non-homogeneous terrain of Tibetan Plateau 13:50-14:05

**Z. Hu, F. Kimura, J. Wang, H. Ishikawa, Y. Ma, Z. Su**

**S2-09** Monsoon Simulation by using CCSR/NIES GCM : 14:05-14:20

**A. Sumi**

**S2-10** Water cycle in basins of Siberian rivers: changes in XIX-XXI centuries from model simulations: 14:20-14:35

**I.I. Mokhov, V.Ch. Khon**

**S2-11** Visual technique of TIPEX data bank and its application to analysis and simulation for '98 rainstorm in Yangtze River: 14:35-14:50

**J. Wang, X. Xu**

**Break 14:50-15:05**

**Poster Session Core Time (P2, for the numbers of even) 15:10-16:10**

#### **Session 6 Satellite studies in GAME and other regions**

16:20-17:45

Chair: T. Oki

**S2-12** Satellite observations of tropical precipitation patterns and their relationship with sea surface temperature 16:10-16:25

**C.M. Kishtawal, K. Masuda, T. Yasunari**

**S2-13** The retrieving of surface parameters with microwave remote sensing : 16:25-16:40

**J. Wang, T. Koike, H. Fujii**

**S2-14** Remote sensing application for landscape type in hydroclimatological study of subarctic tundra in Suonannaakh river basin (vicinity of Tiksi): 16:40-16:55

**M. Vladislav, N. Ozerov**

**S2-15** Spatial and seasonal variation of rain profiles over Asia observed by TRMM/PR: 16:55-17:10

**M. Hirose, K. Nakamura**

**S2-16** The use of thermal AVHRR information in MAGS: 17:10-17:25

**N. Bussieres**

**S2-17\*** An overview of the GAME radiation activities-2000: 17:25-17:45

**T. Nakajima**

#### **-----Poster Sessions for 4th October, 2001-----**

Odd number's [1,3,5,...] presentation time 10:40-11:40

Even number's [2,4,6,...] presentation time 15:10-16:10

**P2-01** On the instruments for air humidity measurements in 2000 Yakutsk experiment

**E.V. Starokoltsev, M.Yu. Mezzin, T. Hiyama**

**P2-02** Microscale variability of active layer properties of Taiga and subarctic Tundra of Eastern Siberia

**A. Georgiadi, O. Vladimir**

**P2-03** Measurement of soil thermal properties and analysis of thermal regimes of active layer in an alas, eastern Siberia

**H. Kivosawa, N. Kobayashi, H. Tanaka, N. Kondo, M. Mizoguchi**

**P2-04** Seasonal variation of water vapor flux at west Siberian bog and its controlling Factors

**K. Shimoyama, T. Hiyama, Y. Fukushima, G. Inoue**

**P2-05** Long term monitoring of surface energy fluxes of the Amdo PBL site in the eastern Tibetan Plateau

**K. Tanaka, H. Ishikawa**

**P2-06** Characteristics of micrometeorology in the surface layer in the Tibetan Plateau

**H. Liu, H. Zhang, L. Bian, J. Chen, M. Zhou, X. Xu, S. Li, Y. Zhao**

**P2-07** Comparison of seasonal trend in sap flow rate between deciduous and evergreen trees in northern Thailand

**N. Yoshifuji, T. Kume, N. Tanaka, C. Tantasirin, H. Takizawa, M. Suzuki, N. Tangtham**

**P2-08** Diurnal variations of wind at Serpong, Indonesia

**R. Araki, M.D. Yamanaka, S. Ogino, F. Murata, N. Okamoto, H. Hashiguchi, Y. Oki, T. Sribimawato, M. Kudsy, F. Rengonno**

**P2-09** Diurnal variation of IE in paddy field during rice planting season

**S. Pukngam, S. Boonyawat, P. Thongdeenok, M. Aoki**

**P2-10** Rainfall interception by a hill evergreen forest in northern Thailand

**N. Tanaka, C. Tantasirin, M. Suzuki, N. Tangtham**

**P2-11** The effect of freezeback time on the mean annual ground temperature in Central Yakutia

**V. S. Prokopievich**

**P2-12** Water budget in the surface soil layer in the region of central Tibet Plateau

**Z. Yinsheng, T. Ohata, M. Kadota, T. Koike, N. Hirose**

**P2-13** Mapping of active-layer moisture contents for the GAME study area, central Yakutia

**A. Fedorov, R. Argunov, Y. Torgovkin, P. Gavriliev, I. Vasiliev, I. Ugarov, P. Efremov**

**P2-14** General wetness and fluctuations in the alas lake level in central Yakutia

**B.N. Petrovich**

- P2-15** Application of precipitation downscaling methods in hydrological model  
Z. Hao, F. Su
- P2-16** Variability of active layer thickness, GAME study area, central Yakutia  
I. Vasiliev, E. Gerasimov
- P2-17** The combined analysis of TRMM/PR and ground-based radar data in HUBEX area  
X. Jin, W. Li, Y. Zhu, B. Zhao
- P2-18** Spatial scales relevant to the heat and scalar transports over Siberian Taiga forest revealed with the aircraft observation  
J. Asanuma, T. Hiyama, M. Strunin, M.Y. Metzrin, R. Suzuki, T. Ohata
- P2-19** Precipitation in the Tibetan Plateau  
K. Ueno
- P2-20** On the initiation of meso-alpha-lows on the Meiyu front in China (Case studies for the Meiyu in 1991 and 1998)  
K. Kato, N. Kio, T. Taniguchi, B. Geng, J. Matsumoto
- P2-21** Study of water budget for the Yom River in Sukhothai-Phitsanulok Floodplain  
S. Chuenchooklin
- P2-22** Variability of surface fluxes depending on wind direction over a grass field in Eastern Siberia  
N. Kobayashi, T. Hiyama, Y. Ishii, H. Yabuki, Y. Fukushima
- P2-23** Degradation of permafrost geosystems in response to climate change and human activities  
P.P. Gavriliiev
- P2-24** Testing and modifications of the SiB2 land surface model for the purpose of its use for hydrological modeling in the Tibetan Plateau  
P. Koudelova, T. Koike, S. Herath, D. Dutta, X. Li
- P2-25** A comparative study of surface conditions and surface heat flux with seasonal march in Eurasian Continent  
S. Miyazaki, M. Sugita, R. Suzuki, O. Tsukamoto, I. Kaihotsu, K. Tanaka, M. Toda, K. Tanaka, H. Ishikawa, H. Yabuki, Y. Kodama, T. Ohta, T. Yasunari
- P2-26** Generation mechanism of precipitation and vorticity in the Meiyu front during GAME/HUBEX 1998 IOP  
T. Maesaka, H. Uyeda, T. Kato, M. Yoshizaki
- P2-27** Extension of the force restore method for estimating deep soil temperature; frozen soil depth  
T. Hirota, J. Pomeroy, R. Ganger, C. Maule
- P2-28** Complex observations on energy and water balance components at the Mogot experimental plot for the period of 2000-2001 and their main results  
V.S. Vuglinsky, N.G. Vasilenko, S.A. Zhuravin
- P2-29** A preliminary analysis of the effect of the snow disaster on the ground temperature in northern Tibetan Plateau  
M. Yang, T. Yao, Y. He
- P2-30** Structure of a deeply developed and long-lived cumulonimbus cloud in the atmospheric situation of weak vertical wind shear  
Y. Shusse, K. Tsuboki, B. Geng, H. Minda, T. Takeda
- P2-31** Diurnal variation of cloud clusters related to the heavy rainfall in summer season in eastern China  
Z. Li, Y. Fujiyoshi, K. Tsuboki, T. Takeda
- P2-32** Numerical experiment of cloud and precipitation activity around the Tibetan

- Plateau  
Y. Kurosaki, F. Kimura
- P2-33** Evaluation of the performance of mesoscale model 5 (MM5) and simple biosphere model 2 (SiB2) over GAME/Tibet in 1998  
Z. Gao, Z. Xiaoling, J. Kim and N. Chae
- P2-34** Remote sensing land surface wetness by use of TRMM/TMI microwave data  
S. Gu, H. Gao, Y. Zhu, B. Zhao
- P2-35** Distribution and its regression of relationship between snow depth and SSM/I data  
H. Ohno, H. Yabuki, T. Ohata
- P2-36** Combined use of ground based atmospheric radars and TRMM PR for understanding the Indian monsoon precipitation  
K.K. Reddy, T. Kozi, K. Nakamura, Y. Ohno, A.R. Jain
- P2-37** Estimation of surface solar radiation from satellite data and its validation using SKYNET data  
T. Takamura, I. Okada, N. Takeuchi, G.-Y. Shi, T. Nakajima
- P2-38** Remote sensing of cloud liquid water in the HUBEX area using TRMM microwave imager  
Z. Yao, W. Li, Y. Zhu, B. Zhao
- P2-39** Seasonal and interannual variations in the troposphere over Indo-China region  
F. Kikuchi, M.D. Yamanaka, S. Ogino, A. Watanabe
- P2-40** Why does seasonal wind shift occur earlier in northern Thailand ?  
J. Matsumoto
- P2-41** Interannual and seasonal variation of water circulation over east Asia and the western Pacific  
M. Hattori, K. Tsuboki
- P2-42** Precipitation characteristics over Indonesian maritime continent observed by TRMM satellite and boundary layer Radars  
S. Mori, M.D. Yamanaka
- P2-43** Interannual modulation of the boreal summer intraseasonal oscillation  
T. Tomita, T. Yasunari
- P2-44** An east Asian summer monsoon index in description of Meiyu phenomenon  
Y. Wnag, Y. Zhang, J. Chen

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**5 October, 2001 (Fri)**

**Session 7 Synoptic scale studies for better understanding the Asian monsoon**

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|  | 9:00-10:40         |
|  | Chair: J.C.L. Chan |
| <b>S3-01</b> Maintenance of the South China Sea Summer Monsoon<br><u>Johnny C.L. Chan, K.W. Wu</u>   | 9:00-9:15          |
| <b>S3-02</b> Large-scale Features associated with the Heavy Rainfall in Central China in the Meiyu of 1998 under the Abnormal Asian Monsoon<br><u>K. Kato, H. Inaoka</u> | 9:15-9:30          |
| <b>S3-03</b> Time-space characteristics of atmospheric water balance in monsoon Asia:<br><u>T. Yasunari, Y. Fukutomi, K. Masuda</u>                                      | 9:30-9:45          |
| <b>S3-04</b> The abnormal water vapor transportation of Tibetan Plateau and the heavy rain system in Yangtze River Valley:<br><u>X. Xu, J. Wang, L. Chen</u>             | 9:45-10:00         |

**Poster Session Core Time (P3, for the numbers of odd)** 10:00-11:00

**Poster Session Core Time (P3, for the numbers of even)** 11:00-12:00

**Lunch** 12:00-13:30

**Session 7 Future scientific issues and collaborations for post-GAME projects Part I** 13:40-15:00

Chair: T. Sukhapunaphandh

**S3-05\*** Comparative studies on the seasonal evolution of Asian and northern American monsoons : **J. Matsumoto** 13:40-14:00

**S3-06\*** Hydro-meteorological research for conflict management of Mae Tia Basin in northern Thailand: **K. Punyatrong, I. Sirisaiyard, K. Kuraji** 14:00-14:20

**S3-07\*** Future satellite observation of precipitation: **K. Nakamura** 14:20-14:40

**S3-08\*** Contributions of the GEWEX Continental-scale International Project (GCIP) and the GEWEX Americas Prediction Project (GAPP) to international climate research : **R.G. Lawford** 14:40-15:00

**Break** 15:00-15:15

**Session 8 Future scientific issues and collaborations for post-GAME projects Part II** 15:15-16:15

Chair: R.G. Lowford

**S3-09\*** Toward the GAME-Tropics Phase 2 : **Taikan Oki** 15:15-15:35

**S3-10\*** Development of cold region studies of GAME under the new program WCRP-CLiC : **T. Ohata** 15:35-15:55

**S3-11\*** The coordinated enhanced observing period **T. Koike, R. Stewart, J. Leese, R.G. Lawford** 15:55-16:15

**General Discussion** Chair: T. Yasunari 16:15-17:00

**Closing remarks** K. Nakamura 17:00-17:10

-----**Poster Sessions for 5 October, 2001**-----

Odd number's [1,3,5,...] presentation time 10:00-11:00

Even number's [2,4,6,...] presentation time 11:00-12:00

**P3-01** The general climate at hill evergreen forest of tropical monsoon area in northern Thailand

**H. Takizawa, M. Suzuki, N. Tanaka, I. Kosaka, N. Yoshifuji, K. Tanaka, C. Tantasirin, N. Tangtham**

**P3-02** On the equation for the tundra surface heat balance

**A. Kazanskiy, A. Zolotokrylin**

**P3-03** Temporal variation of stable isotopes in precipitation compared between Jakarta and Jayapura, Indonesia

**K. Ichivanagi, A. Numaguti, M.D. Yamanaka**

**P3-04** Variability of thaw depth depending on surface micro-undulation and vegetation cover in the Siberian tundra

**K. Watanabe, T. Ezaki, K. Fukumura, M. Mizoguchi, H. Kiyosawa**

**P3-05** Soil physical properties of active layer in alas, Eastern Siberia

**M. Mizoguchi, N. Kondo, H. Tanaka, H. Kiyosawa, H. Yabuki, Y. Ishii, T. Ohata**

**P3-06** Thaw mechanism of unsaturated frozen soil during water infiltration through a macropore

**M. Mizoguchi, N. Kondo**

**P3-07** Determination of the aerodynamic roughness parameters under strong unstable layer over tropical complex terrain

**M. Toda, M. Sugita**

**P3-08** Cloud behavior in rainy season in Thailand observed by a lidar

**N. Takeuchi, T. Nakajima, T. Takamura, W. Widada**

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## For the presentation for the Fifth International Study Conference on GWEX in Asia and GAME.

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Presentation time is basically 12 min. for presentation, remanding 3 min for the questions and answers time. With \* mark presntators are presentation time 17 min, and Q and A time 3 min.
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Poster size is 90 cm in width and 120 cm in height, respectively. Please prepare the thumbtack or pins to fix on the board your presentation by yourselves. Poster can ready to pin up to the board from the start time of each day. Please remove your presentation until the end of your presentation day. In the core presentation time, please explain your results in this conference study in the front of your board.

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