

国際誌 [International peer-reviewed journal]

1. Kenji TANIGUCHI and Toshio KOIKE, (2008), Seasonal variation of cloud activity and atmospheric profiles over the eastern part of the Tibetan Plateau, *J. Geophys. Res.*, 113, D10104, doi:10.1029/2007JD009321.
2. Tsutsui, H. and Koike, T.: Long-term annual variation of snow depth in Northern Hemisphere based on the AMSR-E (AMSR) snow retrieval algorithm using SSM/I data set, *Journal of The Remote Sensing Society of Japan*, Vol.29, No.1, pp.318-326, January, 2009.
3. Hui LU, Toshio KOIKE, Hideyuki FUJII, Tetsu OHTA and Katsunori TAMAGAWA: Development of a Physically-based Soil Moisture Retrieval Algorithm for Spaceborne Passive Microwave Radiometers and its Application to AMSR-E, *Journal of The Remote Sensing Society of Japan*, Vol. 29, No.1, 253-261, January 2009.
4. Tamagawa, K. Kitsuregawa, M. Ikoma, E. Ohta, T. Williams, S. Koike, T.: An Advanced Quality Control System for the CEOP/CAMP In-situ Data Management, *IEEE Systems Journal*, volume2 Number3, ISJEB2 (ISSN 1932-8184), doi, 10.1109/JSYST.2008.927710, October 2008.

国内誌[Domestic peer-reviewed Journal]

1. 恩田恭輔, 知花武佳: 流域地質が瀬の波立ちに及ぼす影響の解明, 河川技術に関する論文集 vol.14, pp361-366, 2008.
2. 知花武佳, 藤森裕章: 水みち跡の物理環境に着目した礫床裸地の維持方法の検討, 河川技術に関する論文集 vol.14, pp163-168, 2008.
3. Hui Lu, Toshio Koike, Hiroyuki Tsutsui, David Ndegwa Kuria, Tobias GRAF, Kun YANG and Xin LI, "Microwave remote sensing of land surface status during a long term experiment, and its application to validate a parameter optimization method," *Journal of Hydrosience and Hydraulic Engineering*, Vol. 27, No. 1, pp. 71-81, 2009.
4. 筒井浩行・小池俊雄・Xin LI・Rui JIN・Hui LU: チベット高原凍土地帯における融解層の推定に関する基礎的研究, 水工学論文集第 53 巻, pp.433-438, March 2009.
5. 辻本久美子, 小池俊雄, トンレサップ湖周辺域における局地循環性降水が乾季河川流量に与える影響, 水工学論文集, 第 53 巻, 337-342, 2009.
6. Oliver C. SAAVEDRA V., Toshio KOIKE: Real-Time Dam Operation During Typhoon Invasion Using Quantitative Precipitation Forecast, 水工学論文集第 53 巻, pp.121-126, March 2009.
7. Hui Lu, Toshio Koike, Kun Yang, Xiangde Xu, Xin Li, Hiroyuki Tsutsui, Yueqing Li, Xingbing Zhao and Katsunori Tamagawa, "Simulating surface energy flux and soil moisture at the Wenjiang PBL site using the land data assimilation system of the university of Tokyo," *Annual Journal of Hydraulics Engineering, JSCE*, Vol. 53, pp. 1-6, 2009.
8. Wang, L., T. Koike (2009), Comparison of a distributed biosphere hydrological model with GBHM, *Annual Journal of Hydraulic Engineering-JSCE*, 53, 103-108.
9. 玉川 勝徳, 小池 俊雄, Hui LU, Kun YANG, 萩野谷 成徳, 石川 裕彦, XiangDe XU, Shihong WU: 陸面データ同化手法を用いた Tibet Gaize における土壤水分と地表面フラックスの推定, 水工学論文集第 53 巻, pp.397-402, March 2009.

10. 会田健太郎, 小池俊雄, 田殿武雄, Jianchen SHI: 凍土を考慮したチベット高原における単偏波 SAR 土壌水分推定アルゴリズムの開発, 水工学論文集第 53 巻, pp.427-432, March 2009.

国際学会, ワークショップ, シンポジウム発表 [International Conference, Workshop, Symposium]

1. Takeyoshi CHIBANA, Takashi SUZUKI“Relationship between Drainage Basin Characteristics and Riverine Landscape on an Alluvial Fan” ADVANCES IN HYDRO-SCIENCE AND ENGINEERING Volume VIII, pp513 & CD-ROM, 2008.
2. Hui Lu, Toshio KOIKE, Kun YANG, Xiangde Xu, Xin LI, Hiroyuki TSUTSUI: Simulating Surface Energy Flux and Soil Moisture at the Wenjiang PBL Site Using a Land Data Assimilation System, International Conference on Land Surface Radiation and Energy Budget, Beijing, 19 March 2009.
3. KATSUNORI TAMAGAWA, Toshio KOIKE, Lu HUI, Kun YANG, Shigenori HAGINOYA, Hirohiko ISHIKAWA, XiangDe XU, Shihong WU: Estimation of the soil moisture and land surface flux at the Tibet Gaize station by using land data assimilation system developed at the University of Tokyo, International Conference on Land Surface Radiation and Energy Budget, Beijing, 19 March 2009.
4. Toshio Koike; GEO Architecture & Data Committee, Kyoto, Japan, 10 February 2009.
5. Wang, L., T. Koike, C. T. Nyunt, O. Saavedra, T. V. Sap, T. Nagano, WEB-DHM and IWRM, *The 4th International Coordination Group Meeting of the GEOSS Asian Water Cycle Initiative (AWCI)*, Kyoto, February 2009.
6. Tsujimoto, K., Land-Lake-Atmosphere Interaction and Its Effects on Local Water Use, 4th AWCI-ICG meeting, Kyoto, February, 2009.
7. K. Tamagawa, T. Ohta, E. Ikoma and H. Kinutani: GEOSS/AWCI data archiving update, 4th GEOSS Asian Water Cycle Symposium, Kyoto, 7 February 2009.
8. Oliver Saavedra, Toshio Koike & Souhail Boussetta: Application of a Distributed Hydrological Model to Medjerda River Basin, Poster, The GEOSS-African Water Cycle Symposium, Tunis, Tunisia, January 6-9, 2009.
9. Mirza, C. R., Toshio K., Kun Y., and Tobias G., The Development of Cloud Microphysics Data Assimilation System (CMDAS) and its Application for Retrieving Cloud Parameter by AMSR-E Satellite Data, *GEOSS African Water Cycle Symposium*, Tunis, Tunisia, January 2009.
10. Oliver Saavedra, Toshio Koike, Souhail Boussetta, Lei Wang. Application of a distributed hydrological model to the Medjerda River basin in Tunisia, *GEOSS African Water Cycle Symposium*, Tunisia, January 2009.
11. Hui LU, Toshio KOIKE, Kun YANG, Katsunori TAMAGAWA, Souhail BOUSSETTA: Estimating Land Surface Energy and Water Fluxes with Using of the Land Data Assimilation System Developed at the University of Tokyo, GEOSS African Water Cycle Symposium, Tunis, 6 January 2009.
12. Wang, L., C. T. Nyunt, T. Koike, O. Saavedra, T. V. Sap, Applicability of WEB-DHM to Red River, *The 15th Session of the Asia-Pacific Regional Space Agency Forum (APRSAP-15)*, Hanoi and Ha Long Bay, December 2008.
13. Toshio Koike; APRSAF-15, Hanoi, Vietnam, 10, December 2008.
14. Mirza, C. R., Toshio K., Kun Y., and Tobias G., The Development and Application of 1-D Cloud Microphysics Data Assimilation System CMDAS for Cloud Parameter Retrievals and Precipitation Prediction by Satellite Data Integration, *NCAS Atmospheric Science Conference*, Bristol, UK, December 2008.

15. Wang, L., T. Koike, K. Yang, T. Jackson, R. Bindlish, D. Yang, WEB-DHM: A distributed biosphere hydrological model developed by coupling a simple biosphere scheme with a hillslope hydrological model, *2008 AGU Fall Meeting*, San Francisco, December 2008.
16. Saavedra, O. and Koike, T. (2009): Applications of a Distributed Hydrological Model to the AWCI Demonstration River Basins. 4th Asia-Pacific Hydrology and Water Resources (APHW) Conference, Beijing, 3-5 November 2008.
17. Hiroyuki Tsutsui and Toshio KOIKE: Long-term annual variation of snow depth in Northern Hemisphere based on SSM/I, *The First International Symposium on the Arctic Research (ISAR-1)*, Extended Abstract, pp. 340-343, November, 2008.
18. Toshio Koike; The 5th GEO Plenary, Bucharest, Romania, 11, November 2008.
19. Oliver Saavedra & Toshio Koike: Flood reduction using a Distributed Hydrological Model coupled to an Optimization Algorithm, Poster, *HydroChange2008 Conf.*, Kyoto, 1-3 October, 2008.
20. Mirza, C. R., Toshio K., Kun Y., and Tobias G., Application of 1-D- Cloud Microphysics Data Assimilation System (CMDAS) for Cloud Parameters Retrieval by AMSR-E Satellite, *International Workshop on Microwave Remote Sensing for Land Hydrology Research and Applications*, Oxnard, , CA, 20-22, October,2008.
21. Hui LU, Toshio KOIKE, Hideyuki FUJII, Tetsu OHTA and Katsunori TAMAGAWA: Towards improving AMSR-E soil moisture algorithm accuracy and expanding its applicable region: field experiments and data assimilation, *International Workshop on Microwave Remote Sensing for Land Hydrology Research and Applications*, Oxnard, CA, 20-22, October,2008.
22. Toshio Koike; CEOP Second Annual Meeting, Geneva, Switzerland, 15, September 2008.
23. Toshio Koike; Third WOAP Meeting, Boulder, U.S.A, 10, September 2008.
24. Katsunori Tatagawa, Hui Lu, Toshio Koike, Kun Yang, Shigenori Haginoya: Application study: Land Data Assimilation System developed at University of Tokyo (LDAS-UT), CEOP International Implementation Planning Meeting, Geneva, 16 September 2008.
25. Oliver Saavedra & Toshio Koike: Towards Improvement of Water Resources Management of La Plata Basin, Oral. XV CBMET Meteorological Congress, Sao Paulo, Brazil, 24-29 August, 2008.
26. Oliver Saavedra & Toshio Koike: Towards the effective Flood Management of Meghna River Basin using a Distributed Hydrological Model, Oral, Capacity Building on Climate Change and Adaptation in Bangladesh, SAARC Meteorological Department, Agargaon, Dhaka, Bangladesh, 7 August, 2008.
27. Toshio Koike; GEWEX Executive Meeting, Maryland, U.S.A, 25, August, 2008.
28. Oliver Saavedra: Distributed Hydrological Modeling Using the Global Data Set, *International Workshop on Use Satellite Based Information in Flood Risk Management*, Oral, Jakarta, Indonesia, 21 July 2008.
29. Hui Lu, Toshio Koike, Hiroyuki Tsutsui, Tobias Graf and David Kuria, "Monitoring winter wheat growth with ground based microwave radiometers (GBMR)," *Proceedings of 2008 IEEE International Geoscience & Remote Sensing Symposium (IGARSS08)*, pp. 1-201-204, Boston, July 2008.
30. Mirza, C. R., Toshio K., Kun Y., and Tobias G., Retrieval of atmospheric integrated water vapor and cloud liquid water content over the ocean from satellite data using the 1-D-Var Ice Cloud Microphysics Data Assimilation System (IMDAS), *International Geoscience & Remote Sensing Symposium, IGARSS*, Boston, USA, July 2008.
31. Hui Lu, Toshio Koike, Tetsu Ohta, Hedeyuki Fujii, Hiroyuki Tsutsui, "Improving the AMSR-E soil moisture algorithm of the university of Tokyo through field experiments and parameters

optimization,” *Proceedings of 2008 IEEE International Geoscience & Remote Sensing Symposium (IGARSS08)*, pp. 65-68, Boston, July 2008.

32. Oliver Saavedra & Toshio Koike: Towards Global River Discharge using a Distributed Hydrological Model, Oral , Global Mapping Forum, UNU, Tokyo, 5-6 June 2008.
33. Oliver Saavedra & Toshio Koike: Update status of Asian Water Cycle Initiative. Global Precipitation Measurement (GPM), Oral, Asia Workshop 2008, Hamamatsu, 2-4 June 2008.

国内学会,ワークショップ,シンポジウム発表 [Domestic Conference, Workshop, Symposium]

1. 稲葉一孝, 知花武佳: 丘陵地小河川における流域景観の構成要因について, 第37回土木計画学研究発表会講演集 (CDROM) , 2008.
2. 知花武佳: 落差工によって形成される瀬-淵構造の特性, ELR2008 福岡 (日本緑化工学会, 日本景観生態学会, 応用生態工学会 三学会合同大会) 講演要旨集, pp. 90, 2008.
3. 河内香織, 浅枝隆, 知花武佳, 藤野毅: 野外調査と水路実験から枯葉と緑葉の滞留メカニズムを解明する, ELR2008 福岡 (日本緑化工学会, 日本景観生態学会, 応用生態工学会 三学会合同大会) 講演要旨集, pp. 178, 2008.
4. 玉川 勝徳・小池 俊雄・Hui LU・Kun YANG・萩野谷 成徳・石川 裕彦・XiangDe XU・Shihong WU: 陸面データ同化手法を用いた中国半乾燥地域における土壌水分と地表面フラックスの推定, 2009 土壌水分ワークショップ, Tokyo, 28 March 2009.
5. 太田 哲・小池俊雄: SSM/I 土壌水分アルゴリズムの長期適用実験, 2009 土壌水分ワークショップ, Tokyo, 28 March 2009.

招待講演 [Invited lecture]

1. HUI LU, Toshio Koike, Hideyuki Fujii, Tetsu Ohta, Katsunori Tamagawa: Development of an AMSR-E Soil Moisture Retrieval Algorithm through Field Experiments and Data Assimilation, The 25th PIERS 2009, Beijing, 25 March 2009.
2. Toshio Koike; Sustainable Water Management Workshop, Hue Vietnam, 9-11 March 2009
3. Toshio Koike; The MAHASRI/HyARC workshop, DaNang Vietnam, 5-7 March 2009.
4. HUI LU, Toshio KOIKE, Kun YANG, Hiroyuki TSUTSUI, Katsunori TAMAGAWA, Xiangde XU: Monitoring Soil Moisture Change Using Microwave Remote Sensing and Data Assimilation, 2009 Soil Moisture Workshop, Tokyo, 28 March 2009.
5. Toshio Koike, Water cycle in the Asia-Oceanic region, The Third GEOSS Asia-Pacific Symposium -Data Sharing for Transverse GEOSS-, Kyoto, Japan, 6 Feb 2009.
6. Toshio Koike, CEOP Data Integration Results, 21st Session of the Scientific Steering Group (SSG) of the Global Energy and Water Cycle Experiment (GEWEX), UCI, Irvine, 20 Jan. 2009.
7. Toshio Koike, Satellite remote sensing and data assimilation, GEOSS African Water Cycle Symposium, Tunis, Tunisia, 6 Jan. 2009.
8. Nguyen Dai Khanh, Dang Ngoc Tinh, Nguyen Vinh Thu, Pham Quynh Anh and Toshio Koike, Lei Wang, On going Prototypes(Water Resources management), the 15th Session of the Asia-Pacific Regional Space Agency Forum (APRSF-15), Hanoi & Ha Long Bay, Vietnam, 10 December 2008.
9. Yutaka Araki and Toshio Koike, Simulation of Climate Change Impact on Water Resources, Regional Workshop on Developing Partnership for Water and Climate Change Adaptation, The National Hydraulic Research Institute of Malaysia (NAHRIM), Selangor, Malaysia, 2 Dec. 2008
10. Toshio Koike, Third WCRP Observations and Assimilation Panel (WOAP) Meeting NCAR, Boulder, 29 Sep. - 1 Oct. 2008.

11. Toshio Koike, Water and Climate Change Adaptation in Asia, Stockholm Water Week 2008, ADB World Water Week Asia day, Stockholm, Sweden, 19 August 2008.
12. Toshio Koike, Toward Sound Decision Making on Water Resources Management under Climate Change, Todai Week at Tsinghua Todai Forum, 21 May 2008.
13. Toshio Koike; From Deserts Monsoons, Crete, Greece, 5 May 2008.

著書 [Book]

1. T. Chibana: Urban River Management: Harmonizing River Ecosystem Conservation, Chapter 3 in "Urban Environmental Management and Technology" (ed. K. Hanaki), cSUR-UT: Livrary for Sustainable Urban Regeneration 1, Springer, 2008.

出版物 [Publicaion]

1. T. Chibana "Urban River Management: Harmonizing River Ecosystem Conservation", Chapter 3 in "Urban Environmental Management and Technology" (ed. K. Hanaki), cSUR-UT: Livrary for Sustainable Urban Regeneration 1, Springer, 2008.