

(1) 論文発表

<レビューのある国際誌/ Reviewed International Journal >

- 1) Souhail BOUSSETTA, Toshio KOIKE, Tobias GRAF, Kun Yang, and Mahadevan PATHMATHEVAN, Improved local atmospheric simulations by a coupled land-atmosphere satellite data assimilation system, *Remote Sensing of Environment*, Vol. 112, 2008; DOI 10.1016/j.rse.2007.06.002.
- 2) David Kuria, Toshio Koike, Hui Lu, Hiroyuki Tsutsui and Tobias Graf: Field-supported verification and improvement of a passive microwave surface emission model for rough, bare and wet soil surfaces by incorporating shadowing effects, *IEEE Transactions on Geoscience and Remote Sensing*, Vol. 45, No.5, pp. 1207-1217, May 2007.
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- 5) Lu Hui, Koike Toshio, Ohta Tetsu, Kuria David Ndegwa, Tsutsui Hiroyuki, Graf Tobias, Fujii Hideyuki, Tamagawa Katsunori, Development of a soil moisture retrieval algorithm for spaceborne passive microwave radiometers and its application to AMSR-E and SSM/I: Geoscience and Remote Sensing Symposium, 2007. IGARSS 2007. IEEE International, pp: 1177 - 1180, 23-28 July 2007.
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- 2) 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による対流発生のみカニズムと水蒸気輸送への影響, *水工学論文集 52 巻*, pp.247-252, 7 March 2008.
- 3) 筒井浩行,小池俊雄: SSM/I 衛星データに基づく長期的な積雪深の推定とその考察, *水工学論文集 52 巻*, pp.223-228, 7 March 2008.

- 4) 富田惇・谷口健司・小池俊雄: 気象庁長期再解析データを用いた夏季前線性豪雨時の広域的大気構造の研究, *水工学論文集* 52 巻, pp.319-324, 7 March 2008.

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- 1) Toshio Koike : Atmosphere and land surface monitoring by AMSR-E, AMSR/GLI PI Workshop2008, Atami, Japan, 23 January 2008. (Oral)
- 2) Toshio Koike : Atmosphere-Land Coupled Data Assimilation by Using Satellite Microwave Radiometers, Third WCRP International Conference on Reanalysis, Tokyo, Japan, 31 January 2008. (Oral)
- 3) Oliver Saavedra Valeriano, Toshio Koike, Yang Kun, Yang Dawen : Real-Time Operation Of A Multipurpose Multi-Reservoir System Using A Distributed Hydrological Model And Quantitative Precipitation Forecast, 2007 AGU Fall Meeting, San Francisco, 12 December 2007. (Oral)
- 4) Toshio Koike : Summary report of GEOSS/AWCI, 3rd Asian Water Cycle Symposium, Oita, Japan, 3 December 2007. (Oral)
- 5) Toshio Koike : Integrated Water Resources Management System, 3rd Asian Water Cycle Symposium, Oita, Japan, 3 December 2007. (Oral)
- 6) Toshio Koike : Satellite-based Land-Atmosphere Coupled Data Assimilation, the 2nd AMY08 Workshop, Bali, Indonesia, 3 September 2007. (Oral)
- 7) Toshio Koike : Coordinated Energy and Water Cycle Observation Project (CEOP), the 2nd AMY08 Workshop, Bali, Indonesia, 3 September 2007. (Oral)
- 8) Toshio Koike : CEOP and CIMS, the Pan-WCRP Monsoon Scoping Meeting, Bali, Indonesia, 5 September 2007. (Oral)
- 9) Toshio Koike : CEOP Crosscutting Strategy, the 7th CEOP International Implementation Planning Meeting, Bali, Indonesia, 7 September 2007. (Oral)
- 10) Toshio Koike : Data Integration: River Basins/ Satellite, the 7th CEOP International Implementation Planning Meeting, Bali, Indonesia, 7 September 2007. (Oral)
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 - 15) Souhail BOUSSETTA, Tobias GRAF, Toshio KOIKE, Kun Yang, Xin Li, Masayuki Hirai, Coupling of a regional atmospheric model with an Ensemble Kalman Filter based Land Data Assimilation System and its application to North-East Asia during the 2003 Monsoon Season., 2007/IAHS-HW2005 , Perugia Italy, July 2007. (Oral)
 - 16) Toshio Koike : Asian Water Cycle Initiative (AWCI) Contributing to Global Earth Observation System of Systems (GEOSS), AOGS2007 4th Annual meeting, Bangkok, Thailand, 31 July 2007. (Oral)
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 - 18) KUN YANG, MOHAMED RASMY, SURENDRA RAUNIYAR, TOSHIO KOIKE: Initial CEOP-based Review of the Prediction Skill of Operational General Circulation Models and Land Surface Models, AOGS2007 4th Annual meeting, Bangkok, Thailand, 31 July 2007. (Oral)
 - 19) Toshio Koike : Global Earth Observation System of Systems (GEOSS), A Scientific Collaboration to the Global Changes Study at High Altitude, Tokyo, Japan, 6 June 2007. (Oral)
 - 20) Kun Yang, Toshio Koike : Satellite Monitoring of Surface Water and Energy Budget on the Tibetan Plateau, 21st Pacific Science Congress, Okinawa, Japan, 6 June 2007 (Oral)
 - 21) Yang Kun, New Opportunities Provided by LDAS-UT for Asian Monsoon and Weather Forecasting Research, Asian Monsoon Year (AMY08) Beijing International Workshop, Beijing, China, 24 April 2007. (: Oral)
 - 22) Yang Kun, From Field Experiments And Processes Analysis To Model And Land Data Assimilation System Development, Tibet Observation 10 Years Anniversary, Lanzhou, China, 22 April 2007. (: Oral)

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- 23) Lu Hui, Toshio Koike, Yang Kun, Li Xin, Graf Tobias, Boussetta Souhail, Hiroyuki Tsutsui, Kuria David : Estimation of Land Surface Parameters by LDAS-UT: Model Development and Validation on Tanashi Field Experiment, 2007 AGU Fall Meeting, San Francisco, 12 December 2007. (Poster)
- 24) C. R. Mirza; T. Koike; K. Yang and T. Graf; Improvement of Initial Conditions of Numerical Weather Prediction (NWP) Model by the Cloud Microphysics Data Assimilation System (CMDAS) over the Oceans, Asia Oceania Geosciences Society (AOGS), Bangkok, Thailand, 3rd August, 2007.

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- 1) Hui Lu : Toshio Koike, Tetsu Ohta, Hideyuki Fujii, Hiroyuki Tsutsui : Updating status of the AMSR-E soil moisture algorithm development – Field experiments and data assimilation --, 2008 土壌水分ワークショップ, 東京,2008年3月26日.
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- 6) 小池俊雄 : 「水循環系の物理的ダウンスケーリング手法の開発」全体構想, CREST 第4回領域シンポジウム, 東京, 2007年10月23日 (Poster)
- 7) 小池 俊雄, Petra Koudeleva, 筒井浩行, Tobias Graf, Lu Hui, David Kuria : 地上マイクロ波センサによる特別観測データを用いた大気-陸面結合データ同化スキームの開発, CREST 第4回領域シンポジウム, 東京, 2007年10月23日 (Poster)
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- 9) 小池 俊雄, 陽 坤, Petra Koudeleva, Oliver Saavdra, Wang Lei : 大気-陸域相互作用予測モデルと分布型流出モデルの結合モデルの開発, CREST 第4回領域シンポジウム, 東京, 2007年10月23日 (Poster)
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① 招待講演 (Invited Speaker)

- 1) 小池俊雄： 陸面－大気データ同化(Land-atmosphere coupled data assimilation), 2008 土壌水分ワークショップ, 東京,2008 年 3 月 26 日.
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② 新聞記事 (Newspaper)