

国際誌 [International peer-reviewed journal]

1. Kumiko Tsujimoto, Toshio Koike, So Im Monichoth, Kentaro Aida, Katsunori Tamagawa, Tomoyuki Nukui and Shin-ichi Sobue: Validation of satellite precipitation products over Cambodia, The ISTS special issue of Transactions of JSASS, Aerospace Technology Japan, Vol. 12, No. ists29, pp. Tn\_41-Tn\_46, 2014.
2. So Im Monichoth, Kumiko Tsujimoto, Toshio Koike, Katsunori Tamagawa, Kentaro Aida, Tomoyuki Nukui, Shin-ichi Sobue and Koki Homma: Water and food security under the climate change in Cambodia, The ISTS special issue of Transactions of JSASS, Aerospace Technology Japan, Vol. 12, No. ists29, pp. Tn\_31-Tn\_39, 2014
3. Kumiko Tsujimoto and Toshio Koike: Land-lake breezes at low latitudes: the case of Tonle Sap Lake in Cambodia, Journal of Geophysical Research, Vol. 118, pp. 1-12, doi:10.1002/jgrd.50547, 2013.
4. Seto, R., T. Koike, and M. Rasmus: Analysis of the vertical structure of the atmospheric heating process and its seasonal variation over the Tibetan Plateau using a land data assimilation system, J. Geophys. Res. Atmos., 118, doi:10.1002/2013JD020072.
5. Shrestha, M., Wang, L., Koike, T., Tsutsui, H., Xue, Y., and Hirabayashi, Y.: Correcting basin-scale snowfall in a mountainous basin using a distributed snowmelt model and remote sensing data, Hydrol. Earth Syst. Sci. Discuss., 10, 11711-11753, doi:10.5194/hessd-10-11711-2013, 2013.

国内誌 [Domestic peer-reviewed Journal]

1. Asif M. BHATTI, Toshio KOIKE, Patricia Ann JARANILLA-SANCHEZ, Mohamed RASMY, Kohei YOSHIMURA, Bashir AHMAD: Climate change impact assessment on the hydrology of a semi-arid river basin, Annual Journal of Hydraulic Engineering (JSCE), Vol 58. pp.I\_121-I\_126, March 2014.
2. Patricia Ann JARANILLA-SANCHEZ, Toshio KOIKE, Lei WANG, Tetsu OHTA, Yukiko YAMADA, Masahide KIMOTO: EXTREME EVENTS PREDICTION FROM SEASONAL CLIMATE FORECASTING AND CROP PRODUCTION SIMULATIONS IN PAMPANGA RIVER BASIN , PHILIPPINES, Annual Journal of Hydraulic Engineering (JSCE), Vol 58. pp.I\_139-I\_144, March 2014.
3. Rasmus, M., M. Shrestha, T. Koike, M. Hara, M.Fujita, and F. Kimura: A combined dynamical/statistical downscaling approach for assessing future of water resources in the Tone river basin, Japan. Annual Journal of Hydraulic Engineering (JSCE), Vol 58. pp.I\_187-I\_192, March 2014.
4. Cho Thanda NYUNT, Toshio KOIKE, Akio YAMAMOTO, Toshihoro NEMOTO, Masaru KITSUREGAWA: APPLICATION OF STATISTICAL BIAS CORRECTION METHOD TO THE YOSHINO RIVER BASIN, Annual Journal of Hydraulic Engineering (JSCE), Vol 58. pp.I\_193-I\_198, March 2014.
5. Shrestha, M., T. Koike, L. Wang, H. Tsutsui, Y. Xue and Y. Hirabayashi: OPTIMIZING SNOWFALL CORRECTION FACTOR FOR RADAR-AMEDAS PRECIPITATION USING DISTRIBUTED SNOW MODEL (WEB-DHM-S) AND MODIS SNOW COVER DATA, , Annual Journal of Hydraulic Engineering (JSCE), Vol 58. pp.I\_223-I\_228, March 2014.

6. 太田哲・辻本久美子・本間香貴・小池俊雄・SO IM Monichoth：カンボジア西部穀倉地帯のコメ生産に与える気候変動および灌漑の影響評価の試み，水工学論文集 第 58 巻，pp. I\_265- I\_270, March 2014.
7. 辻本久美子，小池俊雄：インドシナ半島における夏季アジアモンスーン開始と大気－陸面相互作用，水工学論文集 第 58 巻，pp.I\_295- I\_300, March 2014.
8. 南出将志・小池俊雄: 大気大循環の偏差に着目した，パキスタンにおける渇水と豪雨の季節予測を下げる要因に関する研究，水工学論文集，第 58 巻，pp. I\_301-I\_306, March 2014.
9. 渋尾欣弘，生駒栄司，Oliver Cristian Saavedra Valeriano, Wang Lei, Petra Koudelova, 喜連川優，小池俊雄：リアルタイムアンサンブル洪水予測実用化システムの開発，水工学論文集，第 58 巻，pp. I\_397-I\_402, March 2014.
10. 吉村耕平・田島芳満・佐貫宏・渋尾欣弘・佐藤慎司・小池俊雄：低平地都市河川におけるリアルタイム洪水シミュレーションモデルの開発，水工学論文集，第 58 巻，pp. I\_403-I\_408, March 2014.
11. 筒井浩行・小池俊雄: 観測実験に基づくマイクロ波リモートセンシングによる植生の影響評価とその積雪深推定への応用，水工学論文集 第 58 巻，pp. I\_415-I\_420, March 2014.
12. 瀬戸里枝・小池俊雄・Mohamed RASMY: WRF を結合した陸面・雲の衛星データ同化システムの開発と関東域への適用，水工学論文集 第 58 巻，pp. I\_535-I\_540, March 2014.
13. 澤田洋平・小池俊雄:マイクロ波衛星輝度温度データを用いた水文－陸上生態系結合モデルのパラメータ最適化，水工学論文集 第 58 巻，pp. I\_577-I\_582, March 2014.
14. 会田健太郎，小池俊雄，開発一郎: ALOS/PALSAR を用いた土壌水分推定アルゴリズムの高頻度適用研究，水工学論文集 第 58 巻，pp. I\_589-I\_594, March 2014.
15. 原田大輔，知花武佳：ダムの洪水調節を受ける河川における護岸の粗度と砂州構造との関係，土木学会論文集 B1(水工学) Vol.69, No.4, pp.1195-1200, 2013 年 3 月.
16. 長井翔太郎，尾花まき子，知花武佳：砂礫州の地形特性とその土壌特性が伏流水流動に与える影響，河川技術論文集，Vol.19, pp.555-560, 2013 年 6 月.
17. 伊藤悠，知花武佳，原田大輔：礫の形状が河川中流域における土砂の分級に及ぼす影響，河川技術論文集，Vol.19, pp.177-182, 2013 年 6 月.
18. 須川遼，知花武佳，三國谷隆伸，川口淳郎：渡良瀬川山地部における生息場としての河床構造と流域・河道特性の関係性，河川技術論文集，Vol.19, pp.513-518, 2013 年 6 月.

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

1. Kumiko Tsujimoto and Toshio Koike; Effect of lake area change by basin development on the rainfall at the environs of Tonle Sap Lake in Cambodia, AMS (oral), 2014.
2. Kumiko Tsujimoto, Koki Homma, Toshio Koike, Tetsu Ohta ; Development of a coupled model of a distributed hydrological model and a rice growth model for optimizing irrigation schedule, EGU (oral), 2014
3. Hideyuki Fujii, Hiroyuki Tsutsui and Rasmy Mohamed: Development of Soil Moisture and Snow Algorithms for AMSR2 and AMSR-E based LDAS products, Joint PI Workshop of Global Environment Observation Mission 2013, 5 June, Tokyo, Japan, 2013. – (Oral)
4. Katsunori Tamagawa, Mohamed Rasmy, Kentaro Aida, Kumiko Tsujimoto, Toshio Koike, So Im Monichoth, Tomoyuki Nukui, Shin'ichi Sobue; Investigation of the Estimation of Soil moisture

and Soil Parameter at Cambodia by using Land Data Assimilation System Developed at the University of Tokyo(LDAS-UT), proceedings, 29th International Symposium on Space Technology and Science, June 2013. (Oral)

5. Aida, K., Koike T., Monichoth S.I., Tsujimoto K., Tamagawa K., Nukui T., Sobue S., and Shi J.; Development of soil moisture algorithm using ALOS/PALSAR in paddy field, Cambodia, proceedings, 29th International Symposium on Space Technology and Science, 2013. (Oral)
6. Shrestha, M., L. Wang, T. Koike, Y. Xue, and Y. Hirabayashi: Snow and glacier melt runoff modeling in Langtang river basin of central Nepal himalaya using energy balance based snow and glacier melt model, International Snow Science Workshop (ISSW2013), 7-11 October, 2013, Grenoble, France – (Oral)
7. Yohei Sawada, Toshio Koike, and Mohamed Rasmy, Simultaneous Estimation of both Hydrologic and Ecologic Parameters in the New Eco-hydrological Model Assimilating Microwave Signal, *American Meteorological Society 94<sup>th</sup> Annual Meeting*, Atlanta, USA, 2-6 February 2014 (Oral)
8. Yohei Sawada and Toshio Koike, Modeling hydrologic and ecologic responses in Mongolia using Coupled Land and Vegetation Data Assimilation System towards quantification of severe droughts, *International Workshop on Terrestrial Change in Mongolia*, JAMSTEC Tokyo office, Japan, 20 December 2013 (Oral)
9. Yohei Sawada and Toshio Koike and Patricia Ann Jaranilla-Sanchez, Identifying Droughts by Modeling the Hydrologic and Ecologic Responses in the Medjerda River Basin, Tunisia, *American Geophysical Union Fall Meeting*, San Francisco, USA, 9-13 December 2013 (Oral)
10. Shibuo, Y., P. A. Jaranilla-Sanchez, and T. Koike, Integrated Data-Archive and Distributed Hydrological Modelling System for Optimized Dam Operation, *Geophysical Research Abstracts*, Vol. 15, EGU2013-7200-2, EGU General Assembly, Vienna, Austria, 2013. (口頭)
11. Rasmy, M., .T. Koike, S.B. Weerakoon, and F. Kimura 2013: A projection of future changes in precipitation over Sri Lanka using pseudo global warming downscaling approach, Sri Lankan and Japan collaborative research, The university of Peradenia, Sri Lanka. (Oral)
12. Rasmy, M., and .T. Koike, 2013: IMPROVING NUMERICAL WEATHER FORECAST USING MULTI-FREQUENCY PASSIVE MICROWAVE SATELLITE OBSERVATIONS AND DATA ASSIMILATION METHODS, Sri Lankan and Japan collaborative research, Geoscience and Remote Sensing Symposium (IGARSS), 2013 IEEE International, Melbourne, Australia 10.1109/IGARSS.2013.6723266. (Oral)
13. Rasmy, M., .T. Koike, M. Hara, M. Fujita, and F. Kimura, 2014: Estimation of Future Changes in Precipitation over Shikoku Island in Japan using Pseudo Global Warming Downscaling and Statistical Bias Correction Approaches, 28th Conference on Hydrology, American Meteorological Society Meeting, Atlanta, USA. (Oral)
14. Jaranilla-Sanchez, P.A. , Shibuo, Y. and T. Koike. 2013. Optimization of Dam Operation for maximizing water use and flood prevention: A case of Angat Dam, Philippines. Society for Social Management Systems, Sydney, Australia.Dec.2-4, 2013. (ORAL PRESENTER)
15. Jaranilla-Sanchez, P.A., M. Shrestha, A.M. Bhatti and T. Koike.2013. Application of the Water and Energy Budget Based Distributed Hydrological Model to the Huong River Basin: Exploring the impacts of climate change o Floods (and droughts too!). International Symposium on Green Network of Excellence for Environmental Information. Dec.15-17, 2013 Hue, Vietnam. (ORAL PRESENTER)
16. Asif M. Bhatti, Maheswor Shrestha , Toshio Koike, (2013), “Modelling the impact of climate change on river discharge and snow cover in Shubuto River Basin, Hokkaido, Japan”, 2013 Joint Scientific Congress of CMOS, CGU and CWRA (26-30 May, 2013), Saskatoon, Saskatchewan, Canada. (ORAL)

17. Asif M. Bhatti, Toshio Koike, Seigo Nasu, (2013), "Modelling the impact of climate change on water environment, The 9th International Symposium on Social Management Systems, Sydney, Australia, December 2-4, 2013. (ORAL)
18. Asif M. Bhatti, Toshio Koike, Patricia Ann JARANILLA-SANCHEZ (2013), " Modeling hydrological responses to climate change in semi- arid region watershed, AGU 9-13 December, 2013, San Francisco, USA. (ORAL)
19. Rie Seto, Mohamed Rasmy, and Toshio Koike: 'Development of a satellite land data assimilation system coupled with WRF', European Geosciences Union General Assembly 2013 HS6.7, Vienna, Austria, 12 April 2013 (oral)
20. T. Ohta: Near-real-time simulation of rice growth, The 2nd Stakeholder Meeting on Hydro-Meteorology and Water Management, 9 December, Phnom Penh, Cambodia, 2013. – (Oral)
21. Kumiko Tsujimoto, Tetsu Ohta, Masaki Yasukawa, Toshio Koike, Masaru Kitsuregawa and Koki Homma; Development of a real-time hydrological cycle – rice growth coupled simulation system as a tool for farmers' decision making in an ungauged basin in Cambodia for the better agricultural water resources management, AGU (poster), 2014
22. Hiroyuki Tsutsui and Toshio Koike: Development of the evaluation method for snow depth over the Tibetan Plateau based on AMSR-E, MODIS and AVNIR-2, 29th International Symposium on Space Technology and Science, 5 June, Nagoya, Japan, 2013. – (Poster)
23. Shrestha, M., L. Wang, T. Koike, Y. Xue, and Y. Hirabayashi: Integrated simulation of snow and glacier melt runoff in a distributed biosphere hydrological framework; case studies at Nepal Himalaya and Pakistan Karakoram meso-scale basins, 28<sup>th</sup> conference on Hydrology, 94<sup>th</sup> American Meteorological Society Annual Meeting, 2-6 February, 2014, Atlanta, USA. – (Poster)
24. Rasmy, M., .T. Koike, M. Hara, M. Fujita, and F. Kimura, 2013: A projection of future changes in precipitation over Sri Lanka using pseudo global warming downscaling approach, International Conference on Regional Climate – WCRP-CORDEX-2013, Brussels, Belgium. (Poster)
25. Rie Seto, Toshio Koike, and Mohamed Rasmy: "Development of a Satellite Land Data Assimilation System coupled with WRF", the 1st Russian - Japanese Collaboration Seminar for Sustainable Environment, Moscow, Russia, 7 October 2013 (poster)
26. Rie Seto, Mohamed Rasmy, Toshio Koike: "Development of a satellite land and cloud data assimilation system coupled with WRF", American Geophysical Union Fall Meeting, A41C, San Francisco, CA, U.S.A., 12 December 2013 (poster)
27. Rie Seto, Toshio Koike, and Mohamed Rasmy: "Analysis of the atmospheric heating process and its seasonal variation over the Tibetan Plateau using a land data assimilation system", American Meteorological Society 94th annual meeting, Atlanta, GA, U.S.A., 3 February 2014 (poster)
28. Minamide, M., T. Koike, 2013, The Impact of Local Meridional Circulations and Madden-Julian Oscillation on the Asian Summer Monsoon Precipitation in Pakistan, Fall Meeting of American Geophysical Union, 9-13 December, San Francisco, USA, 2013. - (Poster Presentation)
29. Minamide, M., T. Koike, 2014, The Impact of Madden-Julian Oscillation on the Asian Summer Monsoon Precipitation in Pakistan, Annual Meeting of American Meteorological Society, 2-6 February, Atlanta, USA, 2014. - (Poster Presentation)
30. Katsunori Tamagawa, Toshio Koike, Eiji Ikoma, Tetsu Ota, Hiroko Kinutani, Masaru Kitsuregawa; Data Integration and Analysis System (DIAS), GEOSS Joint Asia-Africa Water Cycle Symposium, Tokyo, Japan, 25 - 27 November 2013 (Poster).
31. Toshio Koike; GEOSS/Asian Water Cycle Initiative (GEOSS/AWCI), GEOSS Joint Asia-Africa Water Cycle Symposium, Tokyo, Japan, 25 - 27 November 2013. (Poster)
32. Toshio Koike; GEOSS/ African Water Cycle Coordination Initiative (GEOSS/AfWCCI), GEOSS Joint Asia-Africa Water Cycle Symposium, Tokyo, Japan, 25 - 27 November 2013. (Poster)

33. Toshio Koike, Katsunori Tamagawa; DIAS Contribute to SDGs, Tenth Plenary Session of the Group on Earth Observations (GEO-X), Geneva, Switzerland ,15-16 January 2014 (Poster)
34. Takeyoshi Chibana, Daisuke Harada, Makiko Obana, Ryo Sugawa: Effect of Basin Geology on Riverbed Configurations Formed Upstream and Downstream of a Dam, Proc. of the 12th International Symposium on River Sedimentation, pp.1551-1556, Sep/2013.
35. Makiko Obana, Tetsuro Tsujimoto, Takeyoshi Chibana: Ecosystem Structures in Sandbar Reach by Focusing on Fluvial Behavior of Landscape Elements, Proc. of the 4th International Conference on Water and Flood Management, pp.8-16, Sep/2013.
36. Makiko Obana, Takahiro Uchida, Tetsuro Tsujimoto: Deposition Mechanism of Particulate Organic Matter and Suspended Sediment in Riparian Vegetation, Proc. of the 12th International Symposium on River Sedimentation, pp.1523-1529, Sep/2013.
37. Daisuke Harada, Takeyoshi Chibana & Kimiko Yamashita: Characteristics of Stabilized Gravel Bars and Their Determining Factors Focusing on Riffle-Pool Structures, Proc. of the 12th International Symposium on River Sedimentation, pp.1577-1582, Sep/2013.
38. Makiko Obana, Eiichi Katanozaka, Takeyoshi Chibana: Characteristics of Subsurface Flow Considering with Grain Size Distribution in Gravel Bar, Proc. of Ecology and Civil Engineering,

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

1. 玉川勝徳, 太田哲, 生駒栄司, 絹谷弘子, 大柳美佐, 金内志津, 喜連川優, 松本淳, 小池俊雄 : DIAS における GEOSS/AWCI, AfWCCI, GEWEX/AMY In-situ データアーカイブ, 日本地球惑星科学連合 2013 年大会, 千葉, 2013 年 5 月 20 日. (口頭)
2. 玉川勝徳, 小池俊雄, モハメド ラスミー, 辻本久美子, 会田健太郎 : 陸面データ同化手法を用いたカンボジアにおける土壌水分推定手法の検討, 宇宙応用シンポジウム, つくば, 2013 年 6 月 20 日. (口頭).
3. 筒井浩行 : AMSR-E・MODIS・AVNIR-2 を用いた凍土域における積雪推定手法の考案 : 宇宙応用シンポジウム, つくば, 2013 年 6 月 20 日. (口頭).
4. 会田健太郎, 小池俊雄, 開発一郎: モンゴルにおける ALOS/PALSAR を用いた土壌水分推定に関する研究, 2013 土壌水分ワークショップ (口頭)
5. 澤田洋平・小池俊雄:マイクロ波データを利用した水文-陸上生態系同化結合モデルの開発, 気象学会秋季大会, 宮城, 2013 年 11 月 (口頭)
6. 澤田洋平・小池俊雄:分布型水循環-植生動態結合モデルの開発と応用:日本地球惑星科学連合 2013 年大会, 千葉, 2013 年 5 月 (口頭)
7. 小池俊雄、データ総合解析システム (DIAS) による統合的流域管理のプロトタイピング、日本地球惑星科学連合 2013 年大会 (JpGU Meeting 2013)、幕張メッセ国際会議場、千葉、平成 25 年 5 月 20 日
8. 瀬戸里枝, Mohamed RASMY, 小池俊雄: 「WRF を結合した陸面と雲の衛星データ同化システムの開発」, 第 17 回データ同化夏の学校, むつ, 2013 年 8 月 (口頭)
9. 澤田洋平・小池俊雄: マイクロ波衛星輝度温度データを用いた水文-陸上生態系結合モデルのパラメータ最適化, 水工学講演会, 神戸, 2014 年 3 月 (口頭) accepted
10. Shrestha, M., T. Koike, L. Wang, H. Tsutsui, Y. Xue and Y. Hirabayashi: OPTIMIZING SNOWFALL CORRECTION FACTOR FOR RADAR-AMEDAS PRECIPITATION USING DISTRIBUTED SNOW MODEL (WEB-DHM-S) AND MODIS SNOW COVER DATA, 58<sup>th</sup>

conference on Hydraulic Engineering, Japan Society of Civil Engineering (JSCE), Kobe, 4-6 March, 2014.

11. 瀬戸里枝, 小池俊雄, RASMY, Mohamed : 「気象モデル WRF を結合した衛星陸面データ同化システムの開発」, 日本地球科学連合 2013 年大会, A-HW29 水循環・水環境, 幕張メッセ, 東京, 2013 年 5 月 23 日 (ポスター)
12. 尾花まき子, 長井翔太郎, 知花武佳 : 礫床河川の砂礫州における伏流水流動—砂州の地形と土壌条件に着目して—, 応用生態工学会第 17 回研究発表会講演集, pp.35-36, 2013.
13. 片野坂瑛一, 尾花まき子, 知花武佳 : 河道内微地形及び土壌環境条件に着目したオギ・ヨシの群落特性に関する研究, 応用生態工学会第 17 回研究発表会講演集, pp.97-98, 2013.
14. 原田大輔, 知花武佳 : 植生と移動形態に着目した砂州の分類とその物理特性, 応用生態工学会第 17 回研究発表会講演集, PE-26, pp.83-84, 2013.
15. 橋口遥介, 原田大輔, 知花武佳 : 河岸が岩盤からなる河川における蛇行形態と瀬—淵構造特性の関係, 応用生態工学会第 17 回研究発表会講演集, PA-2, pp.25-28, 2013.
16. 日野将人, 原田大輔, 知花武佳 : 洪水による礫河原の変形と粒度分布の変化に関する研究, 応用生態工学会第 17 回研究発表会講演集, PA-3, pp.29-30, 2013.
17. 川口淳郎, 原田大輔, 知花武佳 : 巨礫を有する山地河川の流域・河道特性が土砂動態に与える影響とそのメカニズム, 応用生態工学会第 17 回研究発表会講演集, PA-8, pp.39-40, 2013.
18. Hendra RAMDHANI, Agus SANTOSO and Takeyoshi CHIBANA : CHARACTERISTICS OF CROSS SECTIONAL SHAPE AND SEDIMENT DYNAMIC IN MEANDERING RIVERS, 応用生態工学会第 17 回研究発表会講演集, I-42, pp.289-292, 2013.
19. 原田大輔, 知花武佳 : 砂州の固定化が進行した河川における瀬—淵構造の特徴とその形成過程, 土木学会第 68 回年次学術講演会, II-084, pp.167-168, 2013.

#### 招待講演 [Invited lecture]

1. Toshio Koike, Climate Chang Impacts of Water and Society and Adaptation Strategy in Africa, チュニジア大使館セミナー、在日チュニジア大使館、東京、平成 25 年 5 月 8 日
2. 小池俊雄、データ統合解析システム上に開発するワークベンチ、日本地球惑星科学連合 2013 年大会 (JpGU Meeting 2013)、幕張メッセ国際会議場、千葉、平成 25 年 5 月 20 日
3. 小池俊雄、気候変動と地球温暖化について、八王子市環境学習リーダー第 7 期養成講座、エコひろば (八王子市あったかホール)、東京、平成 25 年 9 月 17 日
4. 小池俊雄、データ統合・解析システム (DIAS) とアジア・アフリカ地域における気候変化と水資源管理、第 2 回気候変動の適応に関する会合 (気候変動適応研究推進プログラムと企業の意見交換会)、公益財団法人損保ジャパン環境財団、東京、平成 25 年 12 月 11 日
5. 小池俊雄、変化する気候の中で—安全・安心で豊かな社会を創る知恵、八王子温暖化防止市民講座、エコひろば (八王子市あったかホール)、東京、平成 26 年 1 月 29 日
6. Jaranilla-Sanchez, P.A., T. Koike, A. Matsumura, D. Ogawada, and Y. Tanaka. 2013. Climate Change Impact Assessment for Metro Manila and its adjoining areas. 21st PWWA International

Conference and Exhibition. "Meeting the Challenges of Climate Change, Water Security and Environmental Sustainability, Taal Vista Hotel, Tagaytay City, Philippines (Invited as plenary session speaker)

7. Rasmy, M., 2014:Enhancing the Predictability of Water and Energy Cycles using space-borne microwave remote-Sensing and data Assimilation Strategies, IIS-Campus, The University of Tokyo, Japan. (Oral)

#### 出版物 [Publication]

1. Proceeding: Jaranilla-Sanchez, P.A., T. Koike, A. Matsumura, D. Ogawada, and Y. Tanaka. 2013. Climate Change Impact Assessment for Metro Manila and its adjoining areas. 21st PWWA International Conference and Exhibition. "Meeting the Challenges of Climate Change, Water Security and Environmental Sustainability, Taal Vista Hotel, Tagaytay City, Philippines.
2. Proceeding: Jaranilla-Sanchez, P.A. , Shibuo, Y. and T. Koike. 2013. Optimization of Dam Operation for maximizing water use and flood prevention: A case of Angat Dam, Philippines. Society for Social Management Systems, Sydney, Australia. Dec.2-4, 2013. [http://management.kochi-tech.ac.jp/ssms\\_papers/sms13-3910\\_79d28450462af2b7225dc909b4ee78f9.pdf](http://management.kochi-tech.ac.jp/ssms_papers/sms13-3910_79d28450462af2b7225dc909b4ee78f9.pdf)

#### 解説・総説 [comment]

1. 小池俊雄、総合的で体感できる科学の知の創出に向けて、季刊環境研究 2013 No.170、公益財団法人日立環境財団、pp22-pp31、平成 25 年 7 月

#### その他受賞 [Presentation award ]

1. Best Poster Award from WRCP-CORDEX-2013 for Methodologies for regional downscaling climate change information: Rasmy, M., T. Koike, M. Hara, M. Fujita, and F. Kimura, 2013: A projection of future changes in precipitation over Sri Lanka using pseudo global warming downscaling approach, International Conference on Regional Climate – WCRP-CORDEX-2013, Brussels, Belgium

#### ニュース報道 [News media ]

1. MANILA BULLETIN: JICA Applies Japanese Expertise on Securing Metro Manila Water Security Vol 4F1, No 19, Tuesday November 19, 2013 --in printed Newspaper online: <http://www.mb.com.ph/jica-applies-japanese-expertise-on-securing-metro-water-security/>
2. PHILIPPINE DAILY INQUIRER Japanese Team to Assess Metro Manila Water Security Concerns Raised over Capital's Dependence on Angat Dam. Monday, November 18, 2013 --in printed Newspaper online: <http://business.inquirer.net/152459/japanese-team-to-assess-metro-water-security>