

NAME: Takashi Hosoda		
PAPERS PUBLISHED IN THE INTERNATIONAL JOURNALS		65 published papers and 3 accepted for publication Appendix, pages 11-17
PAPERS PUBLISHED AT THE INTERNATIONAL CONFERENCES		61 papers Appendix, pages 17-23
RESEARCH REPORTS & MEMOIRS IN UNIVERSITIRS		15
SCENTIFIC AND EDUACATIONAL CONTRIBUTION		p.1-9
CITATION		340 cited, according to Google Scholar Paper No.19 , is cited 99 times, No. 35, 48 times, No.10, 38 times, No.23, 35 times.
INTERNATIONAL REPUTATION	EDITORIAL COMMITTEE MEMBER OF INT. JOURNAL	p.9
	INTERNATIONAL SCIENTIFIC COMMITTEE MEMBER OF INTERNATIONAL CONFERENCE	p.9-10
COMMENTS		

Takashi Hosoda BEn, MEn, PhD

Date of birth	28 September 1955	
Present Position	<i>Professor</i> , Department of Urban Management, Graduate School of Engineering, Kyoto University (2002 - present)	

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Nationality	Japanese		
ACADEMIC QUALIFICATIONS			
	Ph.D. Kyoto University, Japan “Turbulent Diffusion Mechanism in Open Channel Flows”		(1990)
	Bachelor of Engineering (Civil Engineering) Kyoto University, Japan		(1974-1978)
	Master of Engineering (Civil Engineering) Kyoto University, Japan		(1978-1980)
	Ph.D. (Engineering) Kyoto University, Japan awarded in 1990		(1980-1983)
PREVIOUS APPOINTMENTS			
• Academic	Research Associate	Department of Regional Environmental Engineering, Undergraduate & Graduate School of Engineering, Hiroshima University	(1983-1988)

	Research Associate	Department of Civil Engineering, Undergraduate & Graduate School of Engineering, Kyoto University	(1988-1992)
	Lecturer	Department of Civil Engineering, Undergraduate & Graduate School of Engineering, Kyoto University	(1992-1994)
	Associate Professor	Department of Civil Engineering, Undergraduate & Graduate School of Engineering, Kyoto University	(1994-2002)
	Professor	Department of Civil Engineering, Undergraduate & Graduate School of Engineering, Kyoto University	(2002- present)
	Trustees	Member of the Board of Trustees, Japanese Society of Civil Engineers	(2009-2011)
	Program Officer	Program Officer in Civil Engineering Field, Japan Science and Technology Agency	(2003-2007)
APPOINTMENTS			

• Non-academic	Expert	Short Term Expert, Japan International Cooperation Agency, “Japan Bangladesh Joint Project on Floods”	(1994-1997)
	Expert	Short Term Expert, Japan International Cooperation Agency, “The Study on Countermeasures for Sedimentation in the Wonogiri Multipurpose Dam Reservoir in the Republic of Indonesia”	(2004-2007)
	Committee Chairman	Chairman of the Committee for Inspection of Construction Bids, Kinki Regional Development Bureau, Ministry of Land, Infrastructure, Transportation and Tourism	(2009-2010)
	Committee Chairman	Chairman of the Committee of the River Basin Management for the Reinan District of Fukui Prefecture, Fukui Prefectural Government	(2004-2010)

	Committee Chairman	Chairman of the Committee for Natural Environment Recovery Planning of the Kuzuryu River, Kinki Regional Development Bureau, Ministry of Land, Infrastructure, Transportation and Tourism	(2008-2010)
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RESEARCH	

GRANTS	
	Leadership and contributions to successful research projects demonstrate the capability to secure and effectively manage grant and contract funding. Current research projects are funded by the Japan Society for the Promotion of Science (JSPS) and the Kinki Regional Development Bureau, Ministry of Land, Infrastructure, Transportation and Tourism (MLIT). Industrial support for his research has also been high, with major research contracts from the Association for Disaster Prevention Research.

EXTERNAL EXAMINING	
PhD. degree (by research)	<ul style="list-style-type: none"> Andries Paarlberg(2008) The University of Twente (The Netherlands) Modelling Dune Evolution and Dynamic Roughness in Rivers
	<ul style="list-style-type: none"> Tapas Karmaker(2010), Indian Institute of Technology, Guwahati (India) Stochastic Erosion in Composite Bank of Alluvial River Bends

PRINCIPAL SUPERVISER OF Ph.D. STUDENTS			
	Shinichiro ONDA (JAPAN)	Refinement of Depth Averaged Free Surface Flow Modeling and Its Applications (in Japanese)	PhD Course (2001- 2004)
	Tran NGOC ANH (VIETNAM)	Hydraulic Modeling of Open Channel Flows over an Arbitrary 3-D Surface and Its Applications in Amenity Hydraulic Engineering	PhD Course MEXT Scholarship (2003 - 2006)
	Prosper MGAYA (TANZANIA)	A Fundamental Flow Model for Simulation of the Groundwater Flow in Saturated Rock Fractures	PhD Course MEXT Scholarship (2003 - 2006)
	Nenad JACIMOVIC (SERBIA)	Numerical Modeling of Multiphase Flows in Porous Media and Its Application in Hydraulic Engineering	PhD Course MEXT Scholarship (2004 - 2007)
	MD. Shahjahan ALI (BANGLADESH)	Model Refinement of Unsteady Rans and Its Practical Applications in the Field of Hydraulic Engineering	PhD Course MEXT Scholarship (2005 - 2008)
	How Tion PUAY (MALAYSIA)	Fundamental Characteristics of Fluidable material Dam Break Flow with Finite Extent and Its Application	PhD Course MEXT Scholarship (2006 - 2009)
	Bidur GHIMIRE (NEPAL)	Hydraulic Analysis of Free-Surface Flows into Highly Permeable Porous Media and Its Applications	PhD Course MEXT Scholarship (2006 - 2009)

	All-Hinai SAIF (OMAN)	Practical Analysis of River Flows around Selected Hydraulic Structures	PhD Course MEXT Scholarship (2007 - 2010)
	Frederic P. MALEMBEK A (TANZANIA)	Fundamental Characteristics of Thermal Convection under the Condition of Cooling Period in the Northern Part of Lake Biwa	PhD Course MEXT Scholarship (2008 - 2011)
	Manojkumar Namdeo LANGHI (INDIA)	Hydraulic Analysis Of Unsteady Non-Uniform Open Channel Flows In View Of Simplified Modeling	PhD Course (2009 - 2013)
	Hidekazu SHIRAI (JAPAN)	Hydraulic Analysis of Various Unsteady Open Channel Flows and Sediment Transport	PhD Course (2009 - 2013)
	Atrabi Hamid BASHIRI (IRAN)	Numerical Method of Hydraulic Transients with Interface between Pressurized Flows and Free Surface Flows and Its Applications	PhD Course (2012-2015)

ADMINISTRATION		
	April 2005-2006	Head, Department of Urban Management, Graduate School of Engineering, Kyoto University
	April 2005-2006	Head, Undergraduate Course of Civil Engineering (Global Engineering), Undergraduate School of Engineering, Kyoto

		University
	April 2007-2010	Steering Committee Member, Kyoto University Pioneering Research Unit for Next Generation http://kupru.iae.kyoto-u.ac.jp/index.html
	April 2009-2014	Steering Committee Member, Global Center of Excellence Program in Kyoto University “ Sustainability / Survivability Science for a Resilient Society Adaptable to Extreme Weather” http://ars.gcoe.kyoto-u.ac.jp/index.php?id=3
	April 2012-present	Steering Committee Member, Inter-Graduate School Program for Sustainable Development and Survivable Societies in Kyoto University http://www.gss.sals.kyoto-u.ac.jp/en/

EXTERNAL RECOGNITION	
• Awards	- 2001 Paper Award in Hydraulic Engineering, Japan Society of Civil Engineers "Analysis Of Local Scour Around A Spur Dike Using 3-D Mathematical Model Developed With Moving-Grid System And Non-equilibrium Sediment-Transport Theory"
• Memberships	- Fellow of the Japanese Society of Civil Engineers (JAPAN) - Member of the International Association of Hydraulic Research (IAHR) - Member of the Japanese Society of Fluid Mechanics (JSFM) - Member of the Japanese Society of Geotechnical Engineering (JGS)
• Invited Lectures and	- Invited Speaker, "Hydrologic modeling for sediment control and water resources management", The 4th

EXTERNAL RECOGNITION	
Courses	<p>Workshop (Organized by JICA) The Study on Countermeasures for Sedimentation in the Wonogiri Multipurpose Dam Reservoir in the Republic of Indonesia, Novotel Hotel, Surakarta, Indonesia, 18 January, 2008.</p> <ul style="list-style-type: none"> - Invited Speaker, “Numerical simulation on development processes of micro scale sand waves and flow resistance”, Mini-symposium on RIVER DUNES, University of Twente, The Netherlands, 28 August, 2008. - Lecture as Visiting Professor, “Numerical Simulation of River Flows and River Channel Processes –Depth Averaged Model vs 3D Model–“, Indian Institute of Technology, Kharagpur, 19 December, 2003. - Lecture as Visiting Professor, “Open Channel Hydraulics”, Hanoi National University of Science, Vietnam, Hanoi 6-7 January, 2006. - Lecture as Visiting Professor, Brief Introduction of Research Topics in River Engineering Lab., Kyoto University - Combination of Fundamental Researches with Practical Applications-, Indian Institute of Technology, Guwahati, 15 March, 2012.
<ul style="list-style-type: none"> • EDITORIAL COMMITTEE MEMEBR OF JOURNAL 	<ul style="list-style-type: none"> - Monthly Journal of Japan Society of Civil Engineers (in Japanese) 1994-1996 - Annual Journal of Hydraulic Engineering, Japan Society of Civil Engineers (Japanese & English) 2000 - 2005 - Journal of Japan Society of Civil Engineers (A2 Applied Mechanics), (Japanese & English) 2010-present
<ul style="list-style-type: none"> • SCIENTIFIC COMMITTEE MEMBER /ORGANIZER FOR INTERNATIONAL SYMP. & SEMINAR 	<ul style="list-style-type: none"> - Organizer, The 3rd Delft-Japan Seminar on Shallow Flows for Flood Plain Management (sponsored by Japan Institute of Construction Engineering), Kyoto, 26-27 March, 2004. - International Advisory Committee Member, 1st-4th International Conferences on Water and Flood Management (ICWFM), BUET, Dhaka, Bangladesh, 2008-2013. - International Scientific Committee Member, 2nd

EXTERNAL RECOGNITION	
	<p>International Symposium On Shallow Flows, The Hong Kong University of Science and Technology (HKUST), 10-12 December, 2008.</p> <ul style="list-style-type: none"> - Organizer: First Global COE-ARS Seminar, "Sustainability Science for a Resilient Society Adaptable to Extreme Weather Conditions", Katsura Campus, Kyoto University, 23 October, 2009. - International Advisory Committee Member, International Conference on Environmentally Sustainable Urban Ecosystems, IIT Guwahati, Assam, India, 24-26 February , 2012. - International Scientific Committee Member, International Conference on Civil Engineering for Sustainable Development, Khulna, Bangladesh, 2-3 March, 2012. - Session Organizer: SS41 Mixing and Internal Motions in Lakes, Reservoirs and Oceans, ASLO 2012 (Aquatic Sciences of Limnology and Oceanography) Aquatic Sciences Meeting, Lake Biwa, Otsu, Shiga, 8-13 July 2012. - International Scientific Committee Member, 9th International Conference URBAN DRAINAGE MODELLING, Belgrade, Serbia, 4-7 September, 2012. - International Scientific Committee Member, 12th International Symposium on River Sedimentation, Kyoto, 2-5 September, 2013.

PUBLICATIONS (refereed)	
<ul style="list-style-type: none"> Journal Papers 	<ol style="list-style-type: none"> Hosoda, T. and YOKOSI, S.(1985), Relation between Turbulent Diffusion Coefficient and Eulerian Turbulent Characteristics, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.357/2-3, pp.89-95 (in Japanese). Hosoda, T. and YOKOSI, S.(1987), Some Considerations on High Velocity Flows through Curved Open Channels, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.387/2-8, pp.171-178 (in Japanese). Iwasa, Y., Hosoda, T., Kawamura, N. and Yoneyama, N. (1991), High velocity flow with free boundary in open channels, Annual Journal of Hydraulic Engineering, Vol.35, pp.531-536. Hosoda, T., Tada, A., Inoue, K. and Kitahara, M. (1994), Hydraulic analysis of unsteady flows with propagation of an interface between free surface flow and pressurized flow, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.503/2-29, pp.89-97 (in Japanese). Kimura, I., Hosoda, T. and Tomochika, H. (1994), Characteristic of unsteady flow behaviour in the open channel with rectangular dead zone, Annual Journal of Hydraulic Engineering, JSCE, Vol.38, pp.425-430 (in Japanese). Hosoda, T. and Tada, A. (1994), Free surface profile analysis of open channel flows by means of 1-d basic equations with effect of vertical acceleration, Annual Journal of Hydraulic Engineering, Vol.38, pp.457-462 (in Japanese). Kimura, I., Hosoda, T. and Tomochika, H. (1995), Characteristics of spatially growing disturbances in a mixing shear layer of open channel flows, Journal of Hydraulic, Coastal and Environmental Engineering, Vol.509, No.2-30, pp.99-109 (in Japanese). Rahman, M.M., Nagata, N., Hosoda, T. and Muramoto, Y. (1996), Experimental study on morphological process of meandering channels with bank erosion, Annual Journal of Hydraulic Engineering, Vol.40, pp.947-952. Hosoda, T., Nishizawa, K., Fukusumi, A., Okubo, K. And Muramoto, Y. (1996), Numerical studies on internal waves induced in a densimetric exchange flow, Annual Journal of Hydraulic Engineering Vol.40, pp.535-530 (in Japanese). Kimura I. and Hosoda T. (1997), Fundamental properties of

Journal Papers	<p>flows in an open channel with a rectangular dead zone, Journal of Hydraulic Engineering, ASCE, Vol.123, No.2, pp.98-107.</p> <p>11. Hosoda, T., Muramoto, Y. and Miyamoto, M. (1997), Bottom shear stresses of flows over a wavy bed by using depth averaged flow equations, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.558, No.2-38, pp.81-89 (in Japanese).</p> <p>12. Hosoda, T., Iwata, M., Muramoto, Y. and Furuhashi, T. (1997), Hydraulic analysis of undular bore in open channels with circular cross section, Annual Journal of Hydraulic Engineering, JSCE, Vol.41, pp.645-650 (in Japanese).</p> <p>13. Hosoda, T., Tada, A., Iwata, M., Muramoto, Y. and Furuhashi, T. (1998), Hydraulic transients with interaction between overland surface flows and underground channel flows, Journal of Applied Mech., JSCE, Vol.1, pp.293-301 (in Japanese).</p> <p>14. Hosoda, T. (1998), Stability analysis of water surface profile in open channel flows near a surface profile in open channel flows near a singular point, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.607, No.2-45, pp.79-83 (in Japanese).</p> <p>15. Kokado, T., Hosoda, T., Miyagawa, T. and Fujii, M. (1998), Study on a method of obtaining yield values of fresh concrete from slump flow test, Concrete Library of JSCE, No.32, pp.29-42.</p> <p>16. Hosoda, T., Sakurai, T., Kimura, I. and Muramoto, Y. (1999), 3-D computations of compound open channel flows with horizontal vortices and secondary currents by means of non-linear k-e model, Journal of Hydrosience and Hydraulic Engineering, JSCE, Vol.17, No.2, pp.87-96.</p> <p>17. Nagata, N., Hosoda, T. and Muramoto, Y. (1999), Characteristic of river channel processes with bank erosion and development of their numerical models, Journal of Hydraulic, Coastal and Environmental Engineering, Vol.621 No.2-47, pp.23-39 (in Japanese).</p> <p>18. Hosoda, T. (2000), Non-linear analysis of high velocity flows in a sinuous channel, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.656, No.2-52, pp.103-111 (in Japanese).</p> <p>19. Nagata, N., Hosoda, T., and Muramoto, Y. (2000), Numerical analysis of river channel processes with bank erosion, Journal of Hydraulic Engineering, ASCE, Vol.126, No.4, pp.243-252.</p> <p>20. Hosoda, T., Kokado, T. and Miyagawa, T. (2000), Flow characteristics of viscous fluids on the basis of self-similarity law and its applications to high flow concrete, Journal of Applied</p>
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Journal Papers	<p>Mech., JSCE, Vol.3, pp.313-321(in Japanese).</p> <p>21. Kokado, T., Hosoda, T. and Miyagawa, T. (2001), Study on a method of obtaining rheological coefficients of high-flow concrete with numerical analysis, Concrete Library of JSCE, Vol.38, pp.51-70.</p> <p>22. Nagata, N., Hosoda, T., Nakato, T. and Muramoto, Y. (2002), 3D numerical simulation of flow and local scour around a cylindrical pier, Journal of Hydrosience and Hydraulic Engineering, Vol.19, No.2, pp.113-125.</p> <p>23. Kimura, I. and Hosoda, T. (2003), A non-linear k-e model with realizability for prediction of flows around bluff bodies, International Journal for Numerical Methods in Fluids, Vol.42, pp.813-837.</p> <p>24. Onda, S., Hosoda, T. and Kimura, I. (2004), Considerations on refinement of a depth averaged model of open channel flows and its verification, Journal of Hydraulic, Coastal and Environmental Engineering, JSCE, Vol.761, No.2-67, pp.31-43.</p> <p>25. Hosoda, T. and Hosomi, T. (2004), A simplified model for long term prediction on vertical distribution of water qualities in Lake Biwa, Sustainable Development of Energy, Water and Environmental Systems, Afgan, Bogdan & Duic(eds), Swets & Zeitlinger, Lisse, ISSN 90 5809 662 9, pp.357-365.</p> <p>26. Onda, S., Hosoda, T. and Kimura, I. (2004), A simple model of a velocity distribution in accelerating/ decelerating flows and its application to depth averaged flow model, Shallow Flows (Selected papers of Proc. of the International Symposium on SHALLOW FLOWS), Jirka & Uijttewaai (eds), Balkema, pp.637-644.</p> <p>27. Kimura, I., Hosoda, T., Onda, S. and Tominaga, A. (2004), 3D numerical analysis of unsteady flow structures around inclined spur dikes by means of a non-linear k-e model, Shallow Flows (Selected papers of Proc. of the International Symposium on SHALLOW FLOWS), Jirka & Uijttewaai (eds), Balkema, pp.651-660.</p> <p>28. Hosoda, T., Depth averaged model of open channel flows over an arbitrary surface, Shallow Flows (Selected papers of Proc. of the International Symposium on SHALLOW FLOWS), Jirka & Uijttewaai (eds), Balkema, pp.623-628.</p> <p>29. Mgaya, P., Kishida, K., Hosoda, T. and Yamamoto, A. (2004), Estimation of flow behavior on rock joints using the depth averaged flow model, Journal of Applied Mech., JSCE, Vol.7, No.2, pp.1013-1021.</p> <p>30. Jacimovic, N., Hosoda, T., Kishida, K. and Ivetic, M. (2005), Numerical solution of the Navier-Stokes equations for</p>
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Journal Papers	<p>incompressible flow in porous media with free surface boundary, Journal of Applied Mech., JSCE, Vol.8, pp.225-231.</p> <p>31. Jacimovic, N., Hosoda, T., Kishida, K. and Ivetic, M. (2007), Numerical simulation of contaminant removal during air sparging, Annual J. of Hydraulic Engineering, JSCE, Vol.51, pp.13-18.</p> <p>32. Anh, T., and Hosoda, T. (2005), Water surface profile analysis of open channel flows over a circular surface, Journal of Applied Mech., JSCE, Vol.8, pp.847-854.</p> <p>33. Mgaya, P., Hosoda, T., and Kishida, K. (2006), Nonlinear analysis of spatial variation of velocity profile in a pressurized laminar flow between wavy boundaries, Annual Journal of Hydraulic Engineering, JSCE, Vol.50, pp.115-120.</p> <p>34. Onda, S. and Hosoda, T. (2005), Numerical simulation on development processes of micro scale sand waves and flow resistance, Journal of Hydrosience and Hydraulic Engineering, JSCE, Vol.23, No.1, pp.13-26.</p> <p>35. Nagata, N., Hosoda, T., Nakato, T. and Muramoto, Y. (2005), Three-dimensional numerical model for flow and bed deformation around river hydraulic structures, Journal of Hydraulic Engineering, ASCE, Vol.131, No.12, pp.1074-1087.</p> <p>36. Ashiq, M., Doering, J.C. and Hosoda, T. (2006), Bed-load transport model on fractional size distribution, Canadian Journal of Civil Engineering, 33, pp.69-80.</p> <p>37. Jacimovic, N., Hosoda, T., Kishida, K. and Ivetic, M. (2006), Two-phase numerical model for air sparging simulation with modeling of acceleration terms, Journal of Applied Mech., JSCE, Vol.9, pp.765-771.</p> <p>38. Ali, M.S., Hosoda, T., Kimura, I. And Onda, S. (2006), Approximate solution for an axi-symmetric swirling jet using non-linear k-e model with consideration of realizability, Journal Applied Mech, JSCE, Vol.9, pp.821-832.</p> <p>39. Jacimovic, N., Hosoda, T., Kishida, K. and Ivetic, M. (2007), Numerical simulation of contaminant removal during air sparging, Annual Journal. of Hydraulic Engineering, JSCE , Vol.51, pp.13-18.</p> <p>40. Puay, H.T. and Hosoda, T. (2007), Study of characteristics of inertia and viscous flow regions by means of dam break flow with finite volume, Journal of Applied Mech, JSCE, Vol.10, pp.757-768.</p> <p>41. Ali, M.S., Hosoda, T. and Kimura, I. (2007), A nonlinear k-e model to predict the spatial change of turbulent structures in large scale vortices, Journal of Applied Mech, JSCE, Vol.10, pp.723-732.</p>
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Journal Papers	<p>42. Ghimire, B., Hosoda, T. and Nakashima, S. (2007), An investigation on lateral intrusion process of water into porous media under different upstream boundary conditions, Journal of Applied Mech, JSCE, Vol.10, pp.839-846.</p> <p>43. Anh, T.N. and Hosoda, T. (2007), Depth averaged model of open channel flows over an arbitrary 3D surface and its applications to analysis of water surface profile, Journal. of Hydraulic Engineering, ASCE, Vol.133, No.4, pp.350-360.</p> <p>44. Jacimovic, N., Hosoda, T., Ivetic, M. and Kishida, K. (2007), A novel approach in numerical simulation of contaminant removal by air sparging, Water Science & Technology: Water Supply, IWA, Vol.7, No.3, pp.163-170.</p> <p>45. Onda, S., Hosoda, T., Kimura, I. and Iwata, M. (2008) Numerical simulation on local scouring around a spur dike using various turbulence and sediment transport models, Journal of Hydroscience and Hydraulic Engineering, JSCE, Vol.26, No.1, pp.73-89, 2008.</p> <p>46. Hosoda, T. and Isono, T. (2008), Numerical Experiments on Thermal Convection during Cooling Period in the Northern Part of Lake Biwa and Some Considerations by means of a Stochastic Model, Journal of Applied Mechanics, JSCE, Vol.11, pp.825-834 (in Japanese).</p> <p>47. Ali, M.S., Hosoda, T. and Kimura, I. (2008), Unsteady Simulation of Turbulent Axial Vortex by Means of a Non-Linear $k-\epsilon$ Model, Journal of Applied Mechanics, JSCE, Vol.11, pp.869-879.</p> <p>48. Puay H.T. and Hosoda T. (2009), Study of inertia-region characteristics of dam break flow of finite extent, Journal of Applied Mechanics, JSCE, Vol. 12, pp. 729-735.</p> <p>49. Kimura, I., Uijtewaal, W. S. J., Hosoda. T. and Ali, M.S. (2009), URANS Computations of Shallow Grid Turbulence, Journal of Hydraulic Engineering, ASCE, Vol.135, No.2, pp.118-131.</p> <p>50. Kishida, K., Mgaya, P., Ogura, K. and Hosoda, T. (2009), Flow on a single rock fracture in the shear process and the validity of the cubic law examined through experimental results and numerical simulations, Soils and Foundations, JGS, Vol.49, No.4, pp. 597-610.</p> <p>51. Hosoda, T. (2009), Depletion of dissolved oxygen near the bottom of the northern part of Lake Biwa due to global warming and countermeasures for DO depletion, Japanese Journal of Multiphase Flow, Vol.23 No.4, pp.413-419 (in Japanese).</p> <p>52. Kimura, I., Hosoda, T., Takimoto, S., Shimizu, Y. (2009), RANS computations on curved open channel flows, Journal of</p>
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Journal Papers	<p>Hydroscience and Hydraulic Engineering, JSCE, Vol.27, No.2, pp.29-47.</p> <p>53. Ghimire, B., Nakashima, S., Hosoda, T. (2009), Application of spatial integral models to water intrusion process into porous media and its verification, Journal of Applied Mechanics, JSCE, Vol. 12, pp. 875-886.</p> <p>54. Kimura, I., Onda, S., Hosoda, T. and Shimizu, Y.: (2010), Computations of suspended sediment transport in a shallow side-cavity using depth-averaged 2D models with effects of secondary currents, Journal of Hydro-Environment Research, IAHR, Vol. 4, No.2, pp. 153-161.</p> <p>55. Puay H.T. and Hosoda T. (2010), Fundamental study of Bingham fluid by means of dam-break flow model, Annual Journal of Hydraulic Eng., Vol.54, pp.1177-1182.</p> <p>56. Puay H.T., Hosoda T. (2010), Analysis of dam-break flow with finite extent by a spatial integral model with energy equation, Journal of Applied Mechanics, JSCE, Vol.13, pp.805-811.</p> <p>57. Puay, H.T. and Hosoda, T. (2011), Approximate Solution of Dam-break Flow of Low Viscosity Bingham Fluid, Journal of JSCE, Ser. A2 (Applied Mechanics), JSCE, Vol. 67, No.2, pp. I_495-I_501.</p> <p>58. Saif, A. and Hosoda, T. (2011), Numerical Modeling of Unsteady Flow around a Box Culvert and Its Verification, Journal of JSCE, Ser. B1 (Hydraulic Engineering) Vol. 67 No.4 PI199-I204.</p> <p>59. Hosoda, T. and Malembeka F.P. (2011), Applicability of mean field approximation to numerical experiments of thermal convection under the condition of Lake Biwa, Journal of JSCE, Ser.B1(Hydraulic Engineering), Vol.67 No.4, pp.I_1477-I_1482.</p> <p>60. Kishida, K., Kobayashi, K., Hosoda, T. et al. (2012), Development of grout injection model to single fracture in considering inertia term and its application to parallel plate experiments, Journal of Society of Material Science Japan, Vol.61, No.3, pp.245-252 (in Japanese).</p> <p>61. Shirai, H., Hosoda, T. and Puay, H.T. (2012), Basic characteristics of Tsunami invasion processes over land based on self-similarity distribution analysis, Journal of JSCE, Ser.B1(Hydraulic Engineering), Vol.68, pp.I_1531-I_1536.</p> <p>62. Ali, M.S., Hosoda, T. and Kimura, I. (2012), Unsteady RANS and LES Simulation of an Ideal Rankine Vortex Decay, Advances in Civil Engineering, Vol.2012, ID 523839, doi:10.1155/2012/523839.</p> <p>63. Langhi, M., Hosoda, T. and Dey, S. (2012), Depth-Averaged</p>
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<p>CONFERENCE PAPERS</p>	<p>Model Including Velocity Deformation For Unsteady Open Channel Flows, Journal of JSCE, Ser. B1 (Hydraulic Engineering), JSCE, Vol.68, No.4, pp.1_67-1_72.</p> <p>64. Puay, H.T. and Hosoda, T. (2012), Some basic considerations on the development of high velocity flows in the downstream of an abrupt expansion in a steep open channel, Journal of JSCE, Ser. A2(Applied Mechanics), Vol. 68, No. 2, pp. 1_539-1_546.</p> <p>65. Saif, A. and Hosoda, T. (2012), Two-dimensional analysis of flow patterns around a single backward-facing step, International Journal of River Basin Management, Vol.10, No.2, pp.205-211.</p> <p>66. Langhi, M., Hosoda,T. and Dey, S. (2013), Velocity deformation model for unsteady open channel flows over smooth and rough beds, Journal of Hydraulic Engineering, ASCE (in printing).</p> <p>67. Langhi, M., Hosoda,T. and Dey, S. (2013), An analytical solution for the standard k-ϵ turbulence model, Journal of JSCE, Ser. B1(Hydraulic Emgineering), Vol.69, No.4 (in printing).</p> <p>68. Hosoda, T. and Langhi, M. (2013), Hydraulic analysis of water surface profile in hydraulic jump by means of simple depth averaged flow model, Vol.69, No.4 (in printing in Japanese).</p> <p>CONFERENCE PAPERS</p> <p>69. Iwasa, Y. Hosoda, T. and Itoh, K. (1988) Hydraulic analysis of two-dimensional buoyant surface jets by means of turbulence model, Proc. 6th Congress of Asian and Pacific Reagional Division of IAHR, Kyoto, Vol.III, pp.17-24, 1988.</p> <p>70. Iwasa, Y., Hosoda, T. and Matsui, K. (1988), Analysis of transverse distributions of c^2 in open channel flows by means of c^2-ϵc equations, Proc. 3rd International Symposium on Refined Flow Modeling and Turbulence Measurement, Tokyo, 1988, 19-26, 1988.</p> <p>71. Iwasa, Y. and Hosoda, T. (1989), Numerical simulations on high velocity flows through curved open channels, Proc. International Conference on Computational Modeling and Experimental Method in Hydraulics, Dubrovnik, Yugoslavia, pp.87-96.</p> <p>72. Iwasa, Y., Hosoda, T. and Yokosi, S. (1989), Flow behaviors in headrace tunnel of run-of-the river power stations, Proc. International Symposium of Channel Flow and Catchment Runoff, Univ. of Virginia, pp.669-678.</p> <p>73. Iwasa, Y. and Hosoda, T. (1990), Hydraulic analysis of sediment including flows over smooth bed, Proc. International</p>
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