

国際会議プロシーディングス

- (1) H. Rinoshika, **A. Rinoshika** and J.J. Wang, Passive control of Three-Dimensional multi-scale flow Structures Around a wall-mounted short cylinder with an inclined hole, *The XXV International Congress of Theoretical and Applied Mechanics*, ID:108214, pp.1-2, Milano, Italy (2021.8).
- (2) **A. Rinoshika**, “Recent Research Progress on Energy Saving Pneumatic Conveying of Bulk Solids” (Keynote), 3rd World Conference on Mechanical Engineering and Intelligent Manufacturing, December 4-6, 2020, Shanghai, China, on-line.
- (3) H. Rinoshika, Y. Zhang, **A. Rinoshika** and M. Akamatsu, POD analysis on three-dimensional wake structures based on Tomo-PIV, *31st International Symposium on Transport Phenomena*, Hawaii, USA, on-line, No.134, pp.1-6 (2020.10).
- (4) Lin Dong, **A. Rinoshika**, “Visualization analysis of the descending autorotation flight of maple samaras”, *The 15th Asian Symposium on Visualization*, ASV-0040, September 22–26, 2019, Pusan.
- (5) H. Rinoshika, **A. Rinoshika**, “Effect of front inclined hole diameter on wake flows of a wall-mounted short cylinder”, *5th Symposium on Fluid-Structure-Sound Interactions and Control*, No.19, pp.1-4, Chania, Crete island, Greece, 27-30 August 2019.
- (6) H. Rinoshika, **A. Rinoshika** and J.J. Wang, “Three-Dimensional Flow Structures Around a Finite Wall-Mounted Cylinder Controlled by Using an Inclined Hole”, *Eleventh International Symposium on Turbulence and Shear Flow Phenomena*, No.72, pp.1-5, Southampton, United Kingdom, 30th July–2nd August 2019.
- (7) H. Rinoshika, **A. Rinoshika**, “Three-dimensional orthogonal wavelet transform of Tomographic PIV data”, *2019 International Conference on Wavelet Analysis and Pattern Recognition*, No.134, pp.1-6, Kobe, Japan, 7-10 July, 2019.
- (8) H. Rinoshika, **A. Rinoshika** and J.J. Wang, “Visualization of three-dimensional flow structures around a wall-mounted short cylinder”, *15th International Conference on Fluid Control, Measurements and Visualization*, No.173, pp.1-6, Naples, Italy 27-30 May, 2019.
- (9) Lin Dong, **A. Rinoshika**, Analysis and methods on the framework and security issues for connected vehicle cloud, *First International Virtual Conference on Multidisciplinary Research 2018*, Walnut, USA, pp.1-6.
- (10) Lin Dong, **A. Rinoshika**, Zhixian Tang, Security risk review and analysis for the connected vehicle cloud, *Intelligent Systems Workshop 2018*, Toyama, Japan, pp.1-6.
- (11) X.N. SUN1, C.T. YU, **A. Rinoshika**, L. LI, Y. ZHENG, “PHASE AVERAGING ON SQUARE CYLINDER WAKE BASED ON WAVELET ANALYSIS,” *Proceedings of the 2018 International Conference on Wavelet Analysis and Pattern Recognition*, 15-18 July, 2018, Chengdu, China, pp.168-174.

- (12) H. Rinoshika, S. Fujimoto, **A. Rinoshika**, “Wake Flow Control of a Finite Wall-mounted Cylinder with a Horizontal Hole”, *4th Symposium on Fluid-Structure-Sound Interactions and Control*, 21–24 August 2017, Tokyo, Japan, pp.110-111.
- (13) H. Rinoshika, S. Fujimoto, **A. Rinoshika**, “Flow Structures around a Finite Wall-mounted Cylinder having an Inclined Hole”, *4th Symposium on Fluid-Structure-Sound Interactions and Control*, 21–24 August 2017, Tokyo, Japan, pp.112-113.
- (14) Y. Zheng and **A. Rinoshika**, “Particle dynamic analysis of a horizontal pneumatic conveying based on wavelet analysis”, *Proceedings of International Conference on Wavelet Analysis and Pattern Recognition 2017*, July 2017.
- (15) H. Rinoshika, **A. RINOSHIKA**, S. Fujimoto, “Effect of a horizontal hole on flow structures around a wall-mounted low-aspect-ratio cylinder”, *Tenth International Symposium on Turbulence and Shear Flow Phenomena*, July 2017, Chicago-IL, USA, P-8, pp.1-7.
- (16) H. Rinoshika, S. Fujimoto, **A. RINOSHIKA**, “Influence of various inclined holes on flow structures around a finite wall-mounted cylinder”, *The 14th Asian Symposium on Visualization*, May 22–26, 2017, Beijing, China, ASV14-FC-16, pp.1-7.
- (17) H. Rinoshika, **A. Rinoshika**, Wake flow control of a wall-mounted cylinder with various inclined holes, *17th International Topical Meeting on Nuclear Reactor Thermal Hydraulics*, Xi'an, China (2017.9), Code 132687, pp.1-6.
- (18) H. Rinoshika, S. Fujimoto, **A. RINOSHIKA**, “Passive control of flow structures around a low-aspect-ratio cylinder mounted on a flat plate”, *The 24th International Congress of Theoretical and Applied Mechanics*, 21-26 August 2016, Montreal, Canada, NO.129587, pp.1-2.
- (19) **A. RINOSHIKA**, S. Suzuki and M. Nakano, “Study on Flow-induced Vibration of Soft Fins”, *Proceedings of The Fifteenth International Symposium on Advanced Flow Information*, Sendai, Japan (2015), pp.160-161.
- (20) Y. Nakayama, T. Tanaka, K. Aoki, M. Oki, **A. RINOSHIKA**, “WATERINGER APPLIED TO MELTING SNOW”, *The 13th Asian Symposium on Visualization*, June 22–26, 2015, Novosibirsk, Russia, pp.1-7.
- (21) Y. Zheng, S. Fujimoto and **A. RINOSHIKA**, “Triangle cylinder wake analysis based on wavelet and POD techniques”, *7th International Conference on Fluid Mechanics*, Qingdao, China (2015), *Procedia Engineering*, 126 (2015), pp.108-112.
- (22) Y. Zheng, S. Fujimoto and **A. RINOSHIKA**, “comparing wavelet transform with proper orthogonal decomposition”, *Proceedings of International Conference on Wavelet Analysis and Pattern Recognition 2015*, Guangzhou, China (2015), pp.117-123.
- (23) **A. RINOSHIKA** and K. Sato “High-speed PIV Measurement of Particle Velocity in a Swirling Gas-solid Two-phase Flow”, *16th International Symposium on Flow Visualization*, Okinawa, Japan (2014), pp.1-6.

- (24) **A. RINOSHIKA**, S. Suzuki and M. Nakano, “Measurement on wake flow induced by soft fins' vibration”, *Proceedings of The Fourteen International Symposium on Advanced Flow Information*, Sendai, Japan (2014), pp.156-157.
- (25) Y. Zheng, S. Fujimoto and **A. RINOSHIKA**, “Two-dimensional wavelet multi-resolution analysis on turbulent structures of dune wake”, *Proceedings of International Conference on Wavelet Analysis and Pattern Recognition 2014*, Lanzhou, China (2014), pp.153-158.
- (26) **A. RINOSHIKA** and Y. Zheng, “Wavelet analysis on particle fluctuating velocity in a self-excited gas–solid two-phase pipe flow”, *Proceedings of 4th International Conference on Experimental Fluid Mechanics*, Beijing, China (2014), pp.1-8.
- (27) S. Fujimoto and **A. RINOSHIKA**, “Wavelet multi-resolution analysis on flow structures around three-dimensional bluff bodies”, *Proceedings of 4th International Conference on Experimental Fluid Mechanics*, Beijing, China (2014), pp.1-13.
- (28) **A. RINOSHIKA**, “Energy Saving Pneumatic Conveying of Bulk Solids” (Keynote Lecture), *Proceedings of International Conference on Powder, Granule and Bulk Solids*, Patiala, India (2013), pp.1-8.
- (29) S. Fujimoto and **A. RINOSHIKA**, “Orthogonal Wavelet Analysis of Flow Structures in Asymmetric Wakes”, *Proceedings of 2nd Symposium on Fluid-Structure-Sound Interactions and Control*, Hong Kong-Macau (2013), pp.80-81.
- (30) **A. RINOSHIKA** and Y. Zheng, “Three-dimensional Wavelet Multi-resolution Analysis of Flow Structures behind a Vehicle External Mirror”, *Proceedings of 2nd Symposium on Fluid-Structure-Sound Interactions and Control*, Hong Kong-Macau (2013), pp.178-179.
- (31) Y. Zheng and **A. RINOSHIKA**, “Wavelet Multi-resolution Analysis on Vortical Structures of a Dune Wake Based on Large Eddy Simulation”, *Proceedings of the 2013 International Conference on Wavelet Analysis and Pattern Recognition*, Tianjing, China (2013), pp.300-305.
- (32) X. Lou, T. Zhou, **A. RINOSHIKA** and L. Cheng, “Wavelet Multiresolution Analysis on Wake Structure of a Yawed Square Cylinder”, *19th Australasian Fluid Mechanics Conference, Melbourne*, Australia, 8-11 December 2014.
- (33) Azlin Mohd Azmi, T. Zhou, **A. RINOSHIKA** and L. Cheng, “Multiscale Structures and Their Evolution in A Screen Cylinder Wake”, *Proceedings of 16th International Conference on Veterinary and Biomedical Sciences*, Istanbul, Turkey, February 17 - 18, 2014.
- (34) **A. RINOSHIKA** and M. Nakano, “Study on Flow-induced Vibration of Soft Fins”, *Proceedings of The Thirteen International Symposium on Advanced Flow Information*, Sendai, Japan (2013), pp.164-165.
- (35) M. Yu and **A. RINOSHIKA**, “Measurement of Vortical Propulsion of Water Strider Locomotion Based on PIV and Theoretical Analysis”, *Proceedings of the 12th International Conference on Fluid Control, Measurements and Visualization*, Nara,

Japan (2013), OS9-01-4, pp.1-6.

- (36) **A. RINOSHIKA** and Y. Zheng, “Three-dimensional Wavelet Multi-resolution Analysis of Flow Structures behind a Vehicle External Mirror”, *Proceedings of 2nd Symposium on Fluid-Structure-Sound Interactions and Control*, Hong Kong-Macau (2013), pp.178-179.
- (37) S. Fujimoto and **A. RINOSHIKA**, “Orthogonal Wavelet Analysis of Flow Structures in Asymmetric Wakes”, *Proceedings of 2nd Symposium on Fluid-Structure-Sound Interactions and Control*, Hong Kong-Macau (2013), pp.80-81.
- (38) **A. RINOSHIKA** and Y. Zheng, “Orthogonal Wavelet Analysis of Particle Fluctuation Velocity in a Horizontal Gas-Solid Two-Phase Pipe Flow at Low Gas Velocity”, *Proceedings of the 23rd International Congress of Theoretical and Applied Mechanics*, Beijing, China (2012), FM06-005.
- (39) **A. RINOSHIKA** and F. Yan, “Experimental Analysis of Particle Fluctuation Velocity at Low Air Velocity in a Horizontal Air-Solid Two-Phase Flow”, *Proceedings of The 11th International Conference on Fluid Control, Measurements and Visualization*, Keelung, Taiwan (2011), ID.040, pp.1-7.
- (40) F. Yan and **A. RINOSHIKA**, “AN EXPERIMENTAL STUDY ON A GAS-SOLID TWO-PHASE OSCILLATION FLOW IN A HORIZONTAL PIPE”, *Proceedings of The 11th International Conference on Fluid Control, Measurements and Visualization*, Keelung, Taiwan (2011), ID.020, pp.1-6.
- (41) Y. Zheng and **A. RINOSHIKA**, “Wavelet Analysis of Particle Fluctuation Velocity near the Minimum Conveying Velocity in a Horizontal Pneumatic Conveying”, *Proceedings of The Eighth International Conference on Flow Dynamics*, Sendai, Japan (2011), pp.1-2.
- (42) **A. RINOSHIKA** and H. Omori, “Two-Dimensional Orthogonal Wavelet Analysis of Turbulent Structures in Various Near-Wakes”, *Proceedings of The 11th Asian Symposium on Visualization*, Niigata, Japan (2011), No.08-03, pp.1-7.
- (43) F. Yan and **A. RINOSHIKA**, “High-Speed PIV Measurement of Particle Velocity and Concentration in a Horizontal Pneumatic Conveying”, *Proceedings of The 11th Asian Symposium on Visualization*, Niigata, Japan (2011), No.08-04, pp.1-6.
- (44) **A. RINOSHIKA** and D. Watanabe, “Flow Control of Vehicle External Mirror by Dimple Surface Structure”, *Proceedings of the 21st International Symposium on Transport Phenomena*, Kaohsiung City, Taiwan (2010), ID.24, pp.103-107.
- (45) **A. RINOSHIKA**, H. Nonaka and F. Yan, “Visualization of a Horizontal Pneumatic Conveying with Soft Fins”, *Proceedings of the 14th International Symposium on Flow Visualization*, Daegu, Korea (2010), No.244, pp.1-6.
- (46) **A. RINOSHIKA** and H. Omori, “Orthogonal Wavelet Analysis of Turbulent Wakes behind Various Bluff Bodies”, *Proceedings of the 14th International Symposium on Flow Visualization*, Daegu, Korea (2010), No.243, pp.1-7.

- (47) **A. RINOSHIKA**, Flow Visualization of Baby Water Strider Walking on Water Surface, *Proceedings of the 7th Pacific Symposium on Flow Visualization and Image Processing*, Kaohsiung City, Taiwan (2009), No.072, pp.1-4.
- (48) **A. RINOSHIKA** and K. Ono, Wavelet Analysis of Turbulent Structures Behind a Vehicle External Mirror, *Proceedings of the 7th Pacific Symposium on Flow Visualization and Image Processing*, Kaohsiung City, Taiwan (2009), No.071, pp.1-6.
- (49) **A. Rinoshika**, T.M. Zhou and Y. Zhou, “Wavelet-Decomposed Three Vorticity Components in a Turbulent Near Wake”, *The Sixth International Symposium on Turbulence and Shear Flow Phenomena*, Seoul, Korea (2009).
- (50) **A. Rinoshika** and M. Suzuki, “Visualization of Gas-solid Two-phase Flow in a Horizontal Pipeline with Dune Models”, *Proceedings of the 13th International Symposium on Flow Visualization*, Nice, France (2008), No.190, pp.1-6.
- (51) **A. Rinoshika** and S. Watanabe, “Visualization of Multi-Scale Vortical Structures behind a Vehicle External Mirror”, *Proceedings of the 13th International Symposium on Flow Visualization*, Nice, France (2008), No.189, pp.1-6.
- (52) M. Nakashima, **A. Rinoshika**, T. Tabata, “Flow Structure of Circular Jet Flow Affected by Fluttering Fins,” *Proceedings of the 12th International Symposium on Flow Visualization*, Gottingen, Germany (2006), pp.1-8.
- (53) **A. Rinoshika**, J. Mi and Y. Zhou, “Wavelet Analysis of Passive Temperature Scalar Field in a Turbulent Cylinder Wake”, *Proceedings of the 13th International Heat Transfer Conference*, Sydney, Australia (2006), TRB-04, pp.1-9.
- (54) M. Nakashima, **A. Rinoshika**, T. Tabata and T. Nozaki, “Jet Flow Issuing from Circular Pipe with Fluttering Fins”, *Proceedings of 16TH INTERNATIONAL SYMPOSIUM ON TRANSPORT PHENOMENA*, PRAGUE (2005), pp.1-6.
- (55) M. Nakashima, **A. Rinoshika**, T. Tabata and T. Nozaki, “Jet Flow Issuing from Circular Pipe with Fluttering Fins”, *Proceedings of International Conference on Jet, Wake and Separated Flow*, Japan (2005), pp.1-6.
- (56) **A. Rinoshika**, “Application of Wavelet Image Compression Technique to Particle Image Velocimetry”, *Proceedings of the 4th World Congress on Industrial Process Tomography*, Japan (2005), pp.936-941.
- (57) **A. Rinoshika** and T. Ueyama, “Application of JPEG2000 Image Compression Technique to PIV”, *Proceedings of the Sixth International Symposium on Particle Image Velocimetry*, USA (2005), No.021, pp.1-8.
- (58) M. Nakashima, **A. Rinoshika**, T. Tabata, T. Nozaki “Jet Flow Issuing from Circular Pipe with Fluttering Fins”, *Proceedings of the Sixth International Symposium on Particle Image Velocimetry*, USA (2005), No.074, pp.1-8.
- (59) M. Nakashima, **A. Rinoshika**, T. Tabata and T. Nozaki, “Jet Flow Issuing From Circular Pipe With Fluttering Fins”, *Proceedings of 16th International Symposium on Transport Phenomena*, Prague, Czech (2005), pp.1-6.

- (60) **A. Rinoshika**, S. Watanabe and M. Nakano, “Experimental Investigation of Flow Structures around a Car Mirror”, *Proceedings of Symposium of Flow, Structural Vibration, Their Interaction and Control*, Canada (2005), p.37.
- (61) T. Zhou, **A. Rinoshika**, Z. Hao and Y. Zhou, “Wavelet Multi-resolution Analysis of the Three Vorticity Components in a Turbulent Far Wake”, *Proceedings of Symposium of Flow, Structural Vibration, Their Interaction and Control*, Canada (2005), p.36.
- (62) **A. Rinoshika**, S. Watanabe and M. Nakano, “Flow Visualization of a Car Mirror Wake”, *Proceedings of the 8th Triennial International Symposium on Fluid Control, Measurement and Visualization*, China (2005), ID-612, pp.1-8.
- (63) Zhou, T., **Hui LI**, Zhou, Y., Chua, L. P. and Hao. Z., “Wavelet multi-resolution analysis of the three-dimensional vorticity in a circular cylinder wake”, *Proceedings of the Fourth Int. Conference on Fluid Mechanics*, China (2004), Tsinghua University Press & Springer-Verlag.
- (64) **A. RINOSHIKA** and Y. Zhou, “Three-Dimensional Turbulent Structures of Different Scales”, *Mechanics of 21st Century (Proceedings of the 21st International Congress of Theoretical and Applied Mechanics)*, Springer (2005), The Netherlands, No.FM24S_12004, pp.1-2.
- (65) **Hui LI**, M. Takei, M. Nakano, Y. Saito and K. Horii, “Smart Image Processing of Flow Visualization”, *Proceedings of the 1st International Symposium on Micro & Nano Technology*, USA (2004), XIII-1-03, pp.1-5.
- (66) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Image Reconstruction for Process Tomography Using Sampled Pattern Matching Method”, *Proceedings of the 3rd World Congress on Industrial Process Tomography*, Canada (2003), pp.528-534.
- (67) **Hui LI**, Y. Zhou, M. Nakano, “Effects of Reynolds Number on the Turbulent Structures of Different Scales”, *Proceedings of the 7th Triennial International Symposium on Fluid Control, Measurement and Visualization*, Italy (2003), ID-245, pp.1-11.
- (68) **Hui LI**, H. Hu, T. Kobayashi, T. Saga and N. Taniguchi, “Visualization of Three-Dimensional Turbulent Structure based on Orthogonal Wavelet Decomposition”, *ASME FEDSM2003-45023*, USA (2003), pp.1-8.
- (69) M. W. Yiu, **Hui LI**, Y. Zhou, “Wavelet Analysis of Reynolds Number Effect on 3-D Vorticity in a Turbulent Near Wake”, *ASME FEDSM2003-45025*, USA (2003), pp.1-6.
- (70) M. Nakashima, **Hui LI**, T. Tabata and T. Nozaki, “Wavelet Multi-resolution Image Analysis on a Jet Issuing from Rotating Inclined Section”, *ASME FEDSM2003-45026*, USA (2003), pp.1-6.
- (71) **Hui LI**, M. Takei, Y. Saito and K. Horii, “Application of Smart Visualized Image Processing to Flow Visualization”, *Proceedings of the International Symposium on Applied Electromagnetics and Mechanics*, France (2003), pp.332-333.
- (72) **Hui LI**, M. Takei, Y. Tomita, Y. Saito and K. Horii, “Wavelet Multi-Resolution Cross-Correlation Analysis of Swirling Gas-Solid Flow in a Horizontal Pipe”,

Proceedings of the 4th International Conference for Conveying and Handling of Particulate Solids, Hungary (2003), Vol.2, pp.11.43-11.48.

- (73) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “3D Wavelet Analysis of Computer Tomography Images in Pneumatic Conveying”, *Proceedings of the 4th International Conference for Conveying and Handling of Particulate Solids*, Hungary (2003), Vol.2, pp.15.8-15.13.
- (74) **Hui LI**, “Application of Smart Visualized Image Processing to PIV”, *Proceedings of the International Symposium on Experimental Mechanics*, Taiwan (2002), No.C113, pp.1-5.
- (75) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Particle-Flow CT Images Decomposed with 3D Wavelets”, *Proceedings of the 10th International Symposium on Flow Visualization*, Japan (2002), No.F0002, pp.1-8.
- (76) M. Nakahsima, **Hui LI**, T. Tabata and T. Nozaki, “A Study on Jet Issuing from Pipe with Rotating Inclined Section”, *Proceedings of the 10th International Symposium on Flow Visualization*, Japan (2002), No.F0316, pp.1-6.
- (77) **Hui LI**, Y. Zhou, M. Takei, Y. Saito and K. Horii, “Wavelet Analysis of Memory Effects on Turbulence Structures in a Far Wake”, *ASME FEDSM2002-31115*, Canada (2002), pp.1-8.
- (78) M. Nakahsima, **Hui LI**, T. Tabata and T. Nozaki, “Wavelet Multi-resolution Analysis of Coherent Structure in a Jet Issuing from Rotating Circular Pipe with Inclined Section”, *ASME FEDSM2002-31116*, Canada (2002), pp.1-5.
- (79) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “3D Wavelet Multiresolution of Multiphase Flow CT Images”, *ASME FEDSM2002-31118*, Canada (2002), pp.1-6.
- (80) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Reconstruction of Solid-Air Two Phase Flow CT Image Using Sampled Pattern Matching Method”, *ASME FEDSM2002-31434*, Canada (2002), pp.1-6.
- (81) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Wavelet Processing of Particle-Flow Tomography Images (Feature Extraction of Dense Flow at Bend Upstream)”, *Proceedings of the Fifth JSME-KSME Fluids Engineering Conference*, Japan (2002), pp.1-6.
- (82) **Hui LI**, Y. Zhou, M. Takei, Y. Saito and K. Horii, “Visualization of Memory Effects on Multi-Scale Structures in Turbulence Near-Wake”, *Proceedings of the 10th International Symposium on Flow Visualization*, Japan (2002), No.F0140, pp.1-11.
- (83) Y. Zhou and **Hui LI**, “Effect of Initial Conditions on the Turbulence Structures of Various Scales in a Self-Preserving Wake”, *Proceedings of 14th Australasian Fluid Mechanics Conference*, Adelaide, Australia (2001), pp.801 - 805.
- (84) **Hui LI**, H. Hu, T. Kobayashi, T. Saga and N. Taniguchi, “Wavelet Multi-Resolution Analysis of Dual-plane Stereoscopic PIV Measurement Results in a Lobed Jet”, *Proceedings of The Fourth International Symposium on Particle Image Velocimetry*,

Germany (2001), No.1067, pp.1-11.

- (85) X.W. Wang, Y. Zhou and **Hui LI**, “Vortical Structures behind Three Side-by-Side Cylinders”, *Experimental Heat Transfer, Fluid Mechanics and Thermodynamics 2001*, Edizioni ETS, PISA, Vol.3 (2001), pp.2417-2422.
- (86) M. Takei, **Hui LI**, M. Ochi, Y. Saito, K. Horii and T. Dykowsky, “Particle Visualization in Pneumatic Conveying Using Capacitance Ct and 3D-Wavelets”, *Proceedings of 7th International Conference On Bulk Materials Storage, Handling And Transportation*, Australia (2001), pp.773-780.
- (87) M. Takei, **Hui LI**, M. Ochi, Y. Saito, K. Horii and T. Dykowsky, “Wavelets Analysis of CT Images for Choking Monitor”, *Proceedings of 2nd World Congress on Industrial Process Tomography*, Germany (2001), pp.48-56.
- (88) **Hui LI** and Y. Zhou, “Effect of Initial Conditions on Multi-Scale Structures in Turbulent Wake”, *Turbulence and Shear Flow Phenomena*, KTH, Sweden (2001), Vol.3, pp.137-142.
- (89) **Hui LI**, M. Takei, Y. Saito and K. Horii, “Wavelet multi-resolution analysis of pressure signals in a gas-solid two-phase flow”, *Proceedings of the fourth International Conferences on Multiphase Flow*, USA (2001), No.318, pp.1-8.
- (90) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Extraction of dominant particle density fluctuation using capacitance CT and 3D wavelets”, *Proceedings of the fourth International Conferences on Multiphase Flow*, USA (2001), No.305, pp.1-8.
- (91) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Inverse Estimation for Potential Distribution of Spiral Flow”, *ASME FEDSM2001-18000*, USA (2001), pp.1-6.
- (92) **Hui LI**, M. Takei, Y. Tomita, Y. Saito and K. Horii, “Pressure Fluctuation in a Horizontal Swirling Flow Pneumatic Conveying”, *FEDSM2001-18005*, USA (2001), pp.1-8.
- (93) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Visualization of Particle Distributions in Pipeline with Tomography and Wavelets”, *Applied Electromagnetics and Mechanics*, JSAEM, Vol.9 (2001), pp.705-706.
- (94) **Hui LI**, M. Takei, Y. Saito and K. Horii, “Application of Wavelet Packet Image Compression Technique to Particle Image Velocimetry”, *Applied Electromagnetics and Mechanics*, JSAEM, Vol.9 (2001), pp.695-696.
- (95) **Hui LI**, Y. Zhou, M. Takei, Y. Saito and K. Horii, “Smart Visualization of Multi-Scale Turbulent Structures”, *Applied Electromagnetics and Mechanics*, JSAEM, Vol.9 (2001), pp.697-698.
- (96) **Hui LI**, Y. Zhou, M. Takei, Y. Saito and K. Horii, “Visualization of Turbulent Structure From the Wavelet Analysis of Multipoint Hot-Wire Data”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3302, pp.1-11.
- (97) T. Tabata, **Hui LI** and T. Nozaki, “Study on Secondary Flow Structure in Bounded Jet

- Using Wavelet Analysis”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3324, pp.1-7.
- (98) M. Försth and **Hui LI**, “Wavelet Multiresolution Analysis of Spray Images from a Diesel Injector”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3325, pp.1-7.
- (99) **Hui LI** and Y. Zhou, “Eduction of Multi-Scale Turbulent Structures in the Near-Wake of a Cylinder Using Wavelet Multiresolution Technique”, *Experimental Heat Transfer, Fluid Mechanics and Thermodynamics 2001*, Edizioni ETS, PISA, Vol.3 (2001), pp.1909-1914.
- (100) M. Nakahsima, **Hui LI**, T. Tabata and T. Nozaki, “Circular Wall Jet Issuing along Cylinder (Wavelet Analysis and Flow Visualization) ”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3321, pp.1-8.
- (101) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Visualization of Particle Distribution in Pipeline with Capacitance CT and Discrete Wavelets Transform”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3301, pp.1-8.
- (102) Z. J. Wang, Y. Zhou and **Hui LI**, “Flow-Visualization of a Two Side-by-Side Cylinder Wake”, *Proceedings of the 3rd Pacific Symposium on Flow Visualization and Image Processing*, USA (2001), No.F3326, pp.1-8.
- (103) **Hui LI** and Y. Zhou, “Wavelet Vector Analysis of Turbulent Structures in the Near-Wake of a Cylinder”, *AIAA 2001-0603* (2001), pp.1-7.
- (104) **Hui LI**, H. Hu, T. Kobayashi, T. Saga and N. Taniguchi, “Application of Wavelet Vector Multiresolution Technique to PIV Measurements”, *AIAA 2001-0696* (2001), pp.1-8.
- (105) T. Zhu, T. Nozaki, and **Hui LI**, “Fundamental Study on Tapered Drum Type Solid-Liquid Separator (Motion of Solid Particle Thrown into Relative Rest Field)”, *Proceedings of 1st Asian Particle Technology Symposium*, UK (2000), No.0097, pp.1-6.
- (106) **Hui LI**, M. Takei, Y. Saito and K. Horii, “Application of Wavelet Packet to Particle Image Velocimetry Technique”, *Proceedings of the ASME Fluids Engineering Division 2000*, USA (2000), FED-Vol.253, pp.393-398.
- (107) M. Takei, M. Ochi, **Hui LI**, Y. Saito, K. Horii and T. Dyakowski, “Particle Extraction using CT and Wavelets”, *Proceedings of the 2nd Japanese-European Two-Phase Flow Group Meeting*, Japan (2000), No.I1, pp.1-8.
- (108) **Hui LI**, “Visualization of a Turbulent Jet Using Wavelets”, *Proceedings of the International Millennium Symposium on Thermal and Fluid Sciences*, China (2000), pp.92-94.
- (109) **Hui LI**, “Development of Wavelet Image Compression Technique to Particle Image Velocimetry”, *Proceedings of the International Millennium Symposium on Thermal*

and Fluid Sciences, China (2000), pp.89-91.

- (110) T. Zhu, T. Nozaki, **Hui LI**, and H. Yanagita, “Visualization of Particle Motion in a Rotating Type Solid-Liquid Separator”, *Proceedings of the 9th International Symposium on Flow Visualization*, UK (2000), No.411, pp.1-6.
- (111) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Discrete Wavelets Analysis for Spiral Flow Turbulence Velocity”, *ASME FEDSM2000-11054* (2000), pp.1-7.
- (112) **Hui LI** and Y. Zhou, “Multi-Scale Structures in a Turbulent Near-Wake”, *Advances in Turbulence VIII*, CIMNE publishers, Spain (2000), pp.245-248.
- (113) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Particle Surface Inspection with Fourier-Wavelets Transform”, *Proceedings of the Tenth International Freight Pipeline Society Symposium*, Israel (2000), Vol.2, pp.9.15-9.19.
- (114) **Hui LI** and Y. Zhou, “Multi-Scale Eddy Structure Identification in a Turbulent Near-Wake Using Wavelet Analysis”, *Turbulence, Heat and Mass Transfer 3*, Aichi Shuppan (2000), pp.629-636.
- (115) **Hui LI**, “Application Wavelet Vector Compression Technique to Erroneous Vectors Correction in PIV”, *Proceedings of the 9th International Symposium on Flow Visualization*, UK (2000), No.194, pp.1-8.
- (116) **Hui LI**, H. Hu, T. Kobayashi, T. Saga and N. Taniguchi, “Visualization of Multi-scale Turbulent Structure in Lobed Mixing Jet Using Wavelets”, *Proceedings of the 9th International Symposium on Flow Visualization*, UK (2000), No.195, pp.1-7.
- (117) **Hui LI**, H. Hu, T. Kobayashi, T. Saga and N. Taniguchi, “Extraction of Multi-scale Turbulent Structure from PIV Results based on Wavelet Vector Multiresolution Technique”, *Proceedings of the 9th International Symposium on Flow Visualization*, UK (2000), No.383, pp.1-9.
- (118) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Structure Analysis of a Turbulent Jet by means of Multiresolution Fluctuating Velocity Decomposition”, *Proceedings of the ASME Fluids Engineering Division 1999*, USA, FED-Vol.250 (1999), pp.27-32.
- (119) **Hui LI**, Y. Tomita, M. Shirashi and K. Funatsu, “An Experimental Study of Particle Behavior for Dilute Swirling Gas-Solid Flow in a Vertical Pipe”, *Two-Phase Flow Modeling and Experimentation 1999*, Edizioni ETS, PISA, pp. 1865-1869 (1999).
- (120) **Hui LI**, “Analysis of Pressure Fluctuation in Swirling Gas-Particle Flow in a Horizontal Pipe”, *ASME FEDSM99-7881* (1999), pp.1-8.
- (121) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Flow Image Compression Using Wavelets”, *Proceedings of the ASME Fluids Engineering Division 1999*, USA, FED-Vol.250 (1999), pp.33-38.
- (122) **Hui LI**, “Wavelet Analysis of Unsteady Characteristics in Swirling Gas-Particle Flow”, *Turbulence and Shear Flow I*, Begell House, Inc., pp.1209-1214 (1999).
- (123) **Hui LI**, “Particle Image Velocimetry Based on Wavelet Image Compression

- Technique”, *Proceedings of the Third International Workshop on Particle Image Velocimetry*, USA, pp.477-482 (1999).
- (124) **Hui LI**, T. Nozaki and K. Nakahori, “An Experimental Study on a Horizontal Swirling Flow Pneumatic Conveying with a Curved Pipe”, *ASME FEDSM99-7225* (1999), pp.1-6.
- (125) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Choice of Wavelets for PIV Image Compression”, *ASME FEDSM99-7063* (1999), pp.1-6.
- (126) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Structure Evaluation of Unsteady Turbulent Flow with Continuous and Discrete Wavelet Transforms”, *ASME FEDSM99-7167* (1999), pp.1-6.
- (127) M. Takei, **Hui LI**, Y.H. Zhao, H. Ueda, K. Horii, “Particle Movement Control in Pipeline Transportation by Using Spiral Flow”, *ASME FEDSM99-7220* (1999), pp.1-6.
- (128) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Discrete Wavelet Transform Analysis in Axial Velocity Distribution of Spiral Flow”, *ASME FEDSM99-7062* (1999), pp.1-6.
- (129) M. Nakahsima, **Hui LI**, T. Tabata and T. Nozaki, “Circular Wall Jet Issuing Along Outer Wall and in Axial Direction of Pipe”, *ASME FEDSM99-7170* (1999), pp.1-6.
- (130) T. Tabata, **Hui LI** and T. Nozaki, “Wavelet Auto-Correlation Analysis on Flow Structure in a Bounded Jet”, *ASME FEDSM99-6939* (1999), pp.1-8.
- (131) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Discrete Wavelet Frequency Analysis for Spiral Flow Pneumatic Conveying”, *Pneumatic and Hydraulic Conveying Systems II*, No.8 (1999), pp.1-8.
- (132) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Effect of Different Orthogonal Wavelet Basis on Multiresolution Image Analysis of a Turbulent Flow”, *Proceedings of International Conference on Optical Technology and Image Processing in Fluid, Thermal and Combustion Flow*, Japan (1998), No.AB015, pp.1-11.
- (133) T. Tabata, **Hui LI** and T. Nozaki, “Wavelet Analysis on Secondary Flow Structure Visualization in a Bounded Jet”, *Proceedings of the 5th Asian Symposium on Visualization*, Indonesian (1998), pp.174-179.
- (134) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Discrete Inverse Wavelet Transform Analysis for Spiral Flow Pneumatic Conveying”, *Proceedings of the 6th International Conference on Bulk Material Storage, Handling and Transportation*, Australia (1998), pp.249-255.
- (135) M. Takei, M. Ochi, K. Horii, Y. H. Zhao and **Hui LI**, “Dilute Vertical Transportation Using Spiral Flow”, *Proceedings of the 2nd Pacific-Asia Conference on Mechanical Engineering*, Philippines (1998), pp.389-397.
- (136) **Hui LI**, “Visualization of Swirling Gas-Solid Flow Pattern in a Horizontal Pipe”, *Proceedings of the 8th International Symposium on Flow Visualization*, Italy (1998),

No.116, pp.116.1-116.8.

- (137) **Hui LI**, “Flow Structure Identification of a Turbulent Shear Flow”, *Proceedings of the 8th International Symposium on Flow Visualization*, Italy (1998), No.145, pp.145.1-145.11.
- (138) **Hui LI** and Y. Tomita, “Wavelet Analysis of Gas-Solid Two-Phase Flow in a Horizontal Pipe”, *Proceedings of the 3rd International Conference on Multiphase Flow*, France (1998), pp.1-8.
- (139) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Discrete Inverse Wavelet Transform Analysis for Gas-Solid Two Phase Flow”, *Proceedings of the 3rd International Conference on Multiphase Flow*, France (1998), pp.1-8.
- (140) **Hui LI**, M. Takei, M. Ochi, Y. Saito and K. Horii, “Velocity Correlation Analysis in the Near-Field of a Turbulent Jet with Help of Discrete Wavelet Transform”, *ASME FEDSM98-4823* (1998), pp.1-6.
- (141) M. Takei, **Hui LI**, M. Ochi, Y. Saito and K. Horii, “Conceptual Estimate of Potentials Distributions in Spiral Flow by Least Norm Method”, *ASME FEDSM98-4824* (1998), pp.1-6.
- (142) **Hui LI** and Y. Tomita, “A Numerical Simulation of Swirling Flow Pneumatic Conveying in a Horizontal Pipeline”, *Proceedings of the Third World Congress on Particle Technology*, England (1998), No.224, pp.1-12.
- (143) **Hui LI** and Y. Tomita, “An Experimental Study of Particle Behavior for Dilute Swirling Gas-Solid Flow in a Horizontal Pipe”, *Proceedings of the 3rd International Conference on Multiphase Flow*, France (1998), pp.1-8.
- (144) **Hui LI** and Y. Tomita, “A Numerical Simulation of Swirling Gas-Solid Flow in a Vertical Pipe”, *ASME FEDSM98-5019* (1998), pp.1-8.
- (145) **Hui LI** and T. Nozaki, T. Tabata and S. Oshige, “Wavelet Analysis of Flow Structure in a Bounded Jet”, *Proceedings of International Conference on Fluid Engineering toward the 21st Century*, Japan (1997), Vol.2, pp.589-594.
- (146) **Hui LI**, “Wavelet Reynolds Stress Analysis of Two-Dimensional Vortex Flow”, *ASME FEDSM97-3040* (1997), pp.1-8.
- (147) **Hui LI**, “Coherent Structure Visualization of Two-Dimensional Vortex Flow by Wavelet Auto-Correlation Technique”, *Modern Techniques and Measurements in Fluid Flows*, International Academic Publishers, pp.197-202 (1997).
- (148) **Hui LI** and Y. Tomita, “Statistical Analysis of Pressure Fluctuation in Swirling Gas-Solid Two-Phase Flow in a Horizontal Pipe”, *Modern Techniques and Measurements in Fluid Flows*, International Academic Publishers, pp.289-293 (1997).
- (149) **Hui LI** and Y. Tomita, “Identification of Flow Pattern in Horizontal Pneumatic Conveying by Wavelet Analysis”, *Proceedings of the 2nd International Conference on Material Handle*, China (1997), pp.584-588.

- (150) **Hui LI**, “Wavelet Velocity Correlation Analysis in a Plane Turbulent Jet”, *Proceedings of the 11th Symposium on Turbulent Shear Flows*, France (1997), Vol.3, P3-101~106.
- (151) **Hui LI**, “Turbulent Structure Analysis of a Two-Dimensional Jet Using Wavelets”, *Proceedings of the 5th Triennial International Symposium on Fluid Control, Measurement and Visualization*, Japan (1997), pp.589-594.
- (152) **Hui LI**, “Wavelet Analysis on Coherent Structure Dynamics in a Plane Turbulent Jet”, *Experimental Heat Transfer, Fluid Mechanics and Thermodynamics*, Edizioni ETS, PISA, Vol.2 (1997), pp.1053-1060.
- (153) **Hui LI** and Y. Tomita, “Wavelet Statistical Analysis of Gas-Solid Flow in a Vertical Pipeline”, *Experimental Heat Transfer, Fluid Mechanics and Thermodynamics*, Edizioni ETS, PISA, Vol.3 (1997), pp.1775-1782.
- (154) **Hui LI** and Y. Tomita, “A Experimental Study of Swirling Gas-Particle Flow in a Vertical Pipeline”, *ASME FEDSM97-3604* (1997), pp.1-8.
- (155) M. Takei, M. Ochi, K. Horii, Y. H. Zhao and **Hui LI**, “Transport Particles without Touching Pipe Wall”, *ASME FEDSM97-3629* (1997), pp.1-8.
- (156) **Hui LI** and Y. Tomita, “A Numerical Simulation of Swirling Flow Pneumatic Conveying in a Vertical Pipeline”, *ASME FED*-Vol.239 (1996), pp.503-508.
- (157) **Hui LI** and T. Nozaki, “Wavelet Cross-Correlation Analysis and Its Application to Two-Dimensional Vortex Flow”, *ASME FED*-Vol.238 (1996), pp.97-104.
- (158) **Hui LI** and Y. Tomita, “Swirling Flow Pneumatic Conveying System in a Horizontal Pipeline”, *ASME FED*-Vol.235 (1995), pp.65-71.
- (159) **Hui LI** and T. Nozaki, “Wavelet Auto-Correlation Analysis of a Plane Turbulent Jet”, *Flow Visualization VIII*, Begell House, Inc., pp.365-370 (1995).
- (160) **Hui LI**, T. Nozaki and M. Mori, “Numerical Simulation of a Coaxial Injection and Suction Flow Located near Interface of Different Liquids”, *Proceedings of the First International Conference on flow Interaction*, Hong Kong (1994), pp.227-230.
- (161) T. Nozaki, **Hui LI**, H. Sonoda and M. Fukuhara, “Near Field Measurements of a Doublet Flow”, *Proceedings of the First International Conference on flow Interaction*, Hong Kong (1994), pp.290-293.
- (162) X. Qiu, **Hui LI** and J. Cui, “Research on Swirling Flow Pneumatic Transport in Horizontal Tube”, *Multiphase Flow and Heat Transfer*, Hemisphere Publishing Corporation, pp.1167-1171 (1991).