

Retraction notice

Journal of Vibration and Control
2014, Vol. 20(10) 1601–1604
© The Author(s) 2014
Reprints and permissions:
sagepub.co.uk/journalsPermissions.nav
DOI: 10.1177/1077546314541924
jvc.sagepub.com



In 2013 the Editor of *Journal of Vibration and Control* and SAGE became aware of a peer review ring involving assumed and fabricated identities that appeared to centre around Peter Chen at National Pingtung University of Education, Taiwan (NPUE). SAGE and the Editor then began a complex investigation into the case during the rest of 2013 and 2014. Following an unsatisfactory response from Peter Chen, NPUE was notified.

NPUE were serious in addressing the Journal and SAGE's concerns. NPUE confirmed that the institution was investigating Peter Chen. SAGE subsequently uncovered a citation ring involving the above mentioned author and others.

We regret that individual authors have compromised the academic record by perverting the peer review process and apologise to readers. On uncovering problems with peer review and citation SAGE immediately put steps in place to avoid similar vulnerability of the Journal to exploitation in the future. More information may be found at www.sagepub.co.uk/JVC_Statement_2014.

The Journal and SAGE understand from NPUE that Peter Chen has resigned his post at NPUE.

The following articles are retracted because after thorough investigation evidence points towards them having at least one author or being reviewed by at least one reviewer who has been implicated in the peer review ring and/or citation ring. All authors have had an opportunity to respond to the allegations and proposed actions.

OnlineFirst articles (these articles will not be published in an issue)

Chen CY, Chen T-H, Chen Y-H, Yu S-E and Chung P-Y (2013) Information technology system modeling an integrated C-TAM-TPB model to the validation of ocean tidal analyses *Journal of Vibration and Control* Epub ahead of print 7 May 2013. doi: 10.1177/1077546312472924

Chang R-F, Chen CY, Su F-P and Lin H-C (2013) A two-step approach for broadband digital signal processing technique *Journal of Vibration and Control* Epub ahead of print 26 April 2013. doi: 10.1177/1077546312472925

Chen TH, Chang CJ, Yu SE, Chung PY and Liu C-K (2013) Nonlinear information analysis and system management technique: the influence of design experience and control complexity *Journal of Vibration and Control* Epub ahead of print 12 April 2013. doi: 10.1177/1077546312473321

Chen CY, Shih BY, Chen YH, Yu SE and Liu YC (2013) The exploration of a 3T flow model using vibrating NXT: II. Model validation *Journal of Vibration and Control* Epub ahead of print 10 April 2013. doi: 10.1177/1077546312470481

Chen CY, Shih BY, Chen YH, Yu SE and Liu YC (2013) The exploration of 3T flow model using vibrating NXT: I. model formulation *Journal of Vibration and Control* Epub ahead of print 6 February 2013. doi: 10.1177/1077546312467360

Lin M-L and Chen C-W (2013) Stability analysis of fuzzy-based NN modeling for ecosystems using fuzzy Lyapunov methods *Journal of Vibration and Control* Epub ahead of print 6 February 2013. doi: 10.1177/1077546312466687

Chen CY, Chen TH, Chen YH and Chiu J (2012) A multi-stage method for deterministic-statistical analysis: a mathematical case and measurement studies *Journal of Vibration and Control* Epub ahead of print 20 December 2012. doi: 10.1177/1077546312466579

Shih BY, Lin MC and Chen CY (2012) Autonomous navigation system for radiofrequency identification mobile robot e-book reader *Journal of Vibration and Control* Epub ahead of print 13 December 2012. doi: 10.1177/1077546312466578

Chang RF, Chen CY, Su FP, Lin HC and Lu C-K (2012) Multiphase SUMO robot based on an agile modeling-driven process for a small mobile robot *Journal of Vibration and Control* Epub ahead of print 13 December 2012. doi: 10.1177/1077546312464993

Shih B-Y, Lin Y-K, Cheng M-H, Chen C-Y and Chiu C-P (2012) The development of an application program interactive game-based information system *Journal of*

Vibration and Control Epub ahead of print 12 December 2012. doi: 10.1177/1077546312464682

Chen C-Y, Chang C-J and Lin C-H (2012) On dynamic access control in web 2.0 and cloud interactive information hub: technologies *Journal of Vibration and Control* Epub ahead of print 12 December 2012. doi: 10.1177/1077546312464992

Shin BY, Chen CY and Hsu KH (2012) Robot cross platform system using innovative interactive theory and selection algorithms for Android application *Journal of Vibration and Control* Epub ahead of print 13 November 2012. doi: 10.1177/1077546312463757

Articles published in an issue

Chen C-W (2014) Applications of neural-network-based fuzzy logic control to a nonlinear time-delay chaotic system *Journal of Vibration and Control* 20 (4): 589-605. Epub ahead of print 5 November 2012. doi: 10.1177/1077546312461370

Chen C-W (2014) A review of intelligent algorithm approaches and neural-fuzzy stability criteria for time-delay tension leg platform systems *Journal of Vibration and Control* 20 (4): 561-575. Epub ahead of print 5 November 2012. doi: 10.1177/1077546312463759

Chen C-Y, Chang C-J and Lin C-H (2014) On dynamic access control in web 2.0 and cloud interactive information hub: trends and theories *Journal of Vibration and Control* 20 (4): 548-560. Epub ahead of print 5 November 2012. doi: 10.1177/1077546312463762

Lin M-L and Chen C-W (2014) Stability conditions for ecosystem modeling using the fuzzy Lyapunov method *Journal of Vibration and Control* 20 (2): 290-302. Epub ahead of print 23 October 2012. doi: 10.1177/1077546312451301

Chen C-H, Kuo C-M, Hsieh S-H and Chen C-Y (2014) Highly efficient very-large-scale integration (VLSI) implementation of probabilistic neural network image interpolator *Journal of Vibration and Control* 20 (2): 218-224. Epub ahead of print 22 October 2012. doi: 10.1177/1077546312458822

Chen C-Y (2014) Wave vibration and simulation in dissipative media described by irregular boundary surfaces: a mathematical formulation *Journal of Vibration and Control* 20 (2): 191-203. Epub ahead of print 22 October 2012. doi: 10.1177/1077546312464258

Chen C-H, Yao T-K, Dai J-H and Chen C-Y (2014) A pipelined multiprocessor system- on-a-chip (SoC) design methodology for streaming signal processing *Journal of Vibration and Control* 20 (2): 163-178. Epub ahead of print 16 October 2012. doi: 10.1177/1077546312458821

Lin M-L and Chen C-W (2014) Fuzzy neural modeling for n-degree ecosystems using the linear matrix inequality approach *Journal of Vibration and Control* 20 (1): 82-93. Epub ahead of print 8 October 2012. doi: 10.1177/1077546312458533

Chen C-H, Wu W-X and Chen C-Y (2013) Ant-inspired collective problem-solving systems *Journal of Vibration and Control* 19 (16): 2481-2490. Epub ahead of print 18 September 2012. doi: 10.1177/1077546312456231

Chen C-H, Yao T-K, Kuo C-M and Chen C-Y (2013) Evolutionary design of constructive multilayer feedforward neural network *Journal of Vibration and Control* 19 (16): 2413-2420. Epub ahead of print 12 September 2012. doi: 10.1177/1077546312456726

Chen C-W (2013) Applications of the fuzzy-neural Lyapunov criterion to multiple time-delay systems *Journal of Vibration and Control* 19 (13): 2054-2067. Epub ahead of print 16 August 2012. doi: 10.1177/1077546312451034

Chung P-Y, Chen Y-H, Walter L and Chen C-Y (2013) Influence and dynamics of a mobile robot control on mechanical components *Journal of Vibration and Control* 19 (13): 1923-1935. Epub ahead of print 20 July 2012. doi: 10.1177/1077546312452184

Chen C-W (2013) Neural network-based fuzzy logic parallel distributed compensation controller for structural system *Journal of Vibration and Control* 19 (11): 1709-1727. Epub ahead of print 22 June 2012. doi: 10.1177/1077546312442233

Chen C-W, Yeh K, Yang H-C, Liu KFR and Liu C-C (2013) A critical review of structural system control by the large-scaled neural network linear-deferential-inclusion-based criterion *Journal of Vibration and Control* 19 (11): 1658-1673. Epub ahead of print 18 June 2012. doi: 10.1177/1077546312443377

Chen C-H, Kuo C-M, Chen C-Y and Dai J-H (2013) The design and synthesis using hierarchical robotic discrete-event modeling *Journal of Vibration and Control* 19 (11): 1603-1613. Epub ahead of print 27 June 2012. doi: 10.1177/1077546312449645

- Chang CJ, Chen CY and Chou I-T (2013) The design of information and communication technologies: telecom MOD strength machines *Journal of Vibration and Control* 19 (10): 1499-1513. Epub ahead of print 27 June 2012. doi: 10.1177/1077546312449644
- Shih B-Y, Chen C-Y, Li K-H, Wu T-Y, Chen G-Y (2013) A novel NXT control method for implementing force sensing and recycling in a training robot *Journal of Vibration and Control* 19 (10): 1443-1459. Epub ahead of print 1 June 2012. doi: 10.1177/1077546312446361
- Chen C-W, Chen P-C and Chiang W-L (2013) Modified intelligent genetic algorithm-based adaptive neural network control for uncertain structural systems *Journal of Vibration and Control* 19 (9): 1333-1347. Epub ahead of print 31 May 2012. doi: 10.1177/1077546312442232
- Chen C-Y, Shih B-Y, Shih C-H and Wang L-H (2013) Enhancing robust and stability control of a humanoid biped robot: system identification approach. *Journal of Vibration and Control* 19 (8): 1199-1207. Epub ahead of print 26 April 2012. doi: 10.1177/1077546312442947
- Chang C-J, Chen C-Y and Huang C-W (2013) Applications for medical recovery using wireless control of a bluetooth ball with a hybrid G-sensor and human-computer interface technology *Journal of Vibration and Control* 19 (8): 1139-1151. Epub ahead of print 24 April 2012. doi: 10.1177/1077546312442948
- Hsu W-K, Chiou D-J, Chen C-W, Liu M-Y, Chiang W-L and Huang P-C (2013) Sensitivity of initial damage detection for steel structures using the Hilbert-Huang transform method *Journal of Vibration and Control* 19 (6): 857-878. Epub ahead of print 29 February 2012. doi: 10.1177/1077546311434794
- Chen C-Y, Shih B-Y, Shih C-H and Wang L-H (2013) Human-machine interface for the motion control of humanoid biped robots using a graphical user interface Motion Editor *Journal of Vibration and Control* 19 (6): 814-820. Epub ahead of print 23 February 2012. doi: 10.1177/1077546312437804
- Chen C-Y (2013) Internal wave transport, nonlinear manifestation, and mixing in a stratified shear layer-technical briefs *Journal of Vibration and Control* 19 (3): 429-438. Epub ahead of print 18 January 2012. doi: 10.1177/1077546311429337
- Chen C-W (2013) Delay independent criterion for multiple time-delay systems and its application in building structure control systems *Journal of Vibration and Control* 19 (3): 395-414. Epub ahead of print 17 January 2012. doi: 10.1177/1077546311429341
- Chen C-Y, Shih B-Y, Shih C-H and Wang L-H (2013) Design, modeling and stability control for an actuated dynamic walking planar bipedal robot *Journal of Vibration and Control* 19 (3): 376-384. Epub ahead of print 17 January 2012. doi: 10.1177/1077546311429476
- Liu K-C, Liu Y-W, Chen C-Y and Huang W-C (2013) Nonlinear vibration of structural deterioration in reinforced concrete columns: experimental and theoretical investigation *Journal of Vibration and Control* 19 (3): 323-335. Epub ahead of print 17 January 2012. doi: 10.1177/1077546311429477
- Chen C-Y, Shih B-Y and Ma J-m (2013) Development for low-cost and cross-platform robot control environment *Journal of Vibration and Control* 19 (2): 228-233. Epub ahead of print 11 January 2012. doi: 10.1177/1077546311430107
- Shih B-Y, Chang H and Chen C-Y (2013) Path planning for autonomous robots – a comprehensive analysis by a greedy algorithm *Journal of Vibration and Control* 19 (1): 130-142. Epub ahead of print 17 January 2012. doi: 10.1177/1077546311429841
- Liu T-Y, Chiang W-L, Chen C-W, Hsu W-K, Lin C-W, Chiou D-J and Huang P-C (2012) Structural system identification for vibration bridges using the Hilbert-Huang transform *Journal of Vibration and Control* 18 (13): 1939-1956. Epub ahead of print 14 December 2011. doi: 10.1177/1077546311428347
- Chen C-W (2012) Applications of the fuzzy Lyapunov linear matrix inequality criterion to a chaotic structural system *Journal of Vibration and Control* 18 (13): 1925-1938. Epub ahead of print 14 December 2011. doi: 10.1177/1077546311428346
- Chen C-W (2012) Applications of linear differential inclusion-based criterion to a nonlinear chaotic system: a critical review *Journal of Vibration and Control* 18 (12): 1886-1899. Epub ahead of print 14 December 2011. doi: 10.1177/1077546311428345
- Shih B-Y, Chen C-Y and Chou W (2012) An enhanced obstacle avoidance and path correction mechanism for an autonomous intelligent robot with multiple sensors *Journal of Vibration and Control* 18 (12): 1855-1864. Epub ahead of print 14 December 2011. doi: 10.1177/1077546311426734

- Chen C-W, Yeh K, Liu KFR and Lin M-L (2012) Applications of fuzzy control to nonlinear time-delay systems using the linear matrix inequality fuzzy Lyapunov method *Journal of Vibration and Control* 18 (10): 1561-1574. Epub ahead of print 18 October 2011. doi: 10.1177/1077546311410765
- Chen C-Y (2012) A critical review of internal wave dynamics. Part 2 – Laboratory experiments and theoretical physics *Journal of Vibration and Control* 18 (7): 983-1008. Epub ahead of print 21 September 2011. doi: 10.1177/1077546310397561
- Chen C-Y and Huang P-H (2012) Review of an autonomous humanoid robot and its mechanical control *Journal of Vibration and Control* 18 (7): 973-982. Epub ahead of print 21 September 2011. doi: 10.1177/1077546310395974
- Shih B-Y, Chen C-Y, Chang H and Ma J-m (2012) Dynamics and control for robotic manipulators using a greedy algorithm approach *Journal of Vibration and Control* 18 (6): 859-866. Epub ahead of print 25 August 2011. doi: 10.1177/1077546311407649
- Yeh K, Chen C-W, Lo DC and Liu KFR (2012) Neural-network fuzzy control for chaotic tuned mass damper systems with time delays *Journal of Vibration and Control* 18 (6): 785-795. Epub ahead of print 15 August 2011. doi: 10.1177/1077546311407538
- Chen C-Y, Shih B-Y, Shih C-H and Chou W-C (2012) The development of autonomous low-cost biped mobile surveillance robot by intelligent bricks *Journal of Vibration and Control* 18 (5): 577-586. Epub ahead of print 21 April 2011. doi: 10.1177/1077546310371349
- Chen C-Y (2012) A critical review of internal wave dynamics. Part 1 – Remote sensing and in-situ observations *Journal of Vibration and Control* 18 (3): 417-436. Epub ahead of print 13 July 2011. doi: 10.1177/1077546310395971
- Tseng C-P, Chen C-W and Liu KFR (2012) Risk control allocation model for pressure vessels and piping project *Journal of Vibration and Control* 18 (3): 385-394. Epub ahead of print 13 July 2011. doi: 10.1177/1077546311403182
- Lin M-L and Chen C-W (2011) Stability analysis of community and ecosystem hierarchies using the Lyapunov method *Journal of Vibration and Control* 17 (13): 1930-1937. Epub ahead of print 9 December 2010. doi: 10.1177/1077546310385737
- Chen C-Y, Shih B-Y, Chou W-C, Li Y-J and Chen Y-H (2011) Obstacle avoidance design for a humanoid intelligent robot with ultrasonic sensors *Journal of Vibration and Control* 17 (12): 1798-1804. Epub ahead of print 26 November 2010. doi: 10.1177/1077546310381101
- Chen C-W (2011) Fuzzy control of interconnected structural systems using the fuzzy Lyapunov method *Journal of Vibration and Control* 17 (11): 1693-1702. Epub ahead of print 23 November 2010. doi: 10.1177/1077546310379625
- Shih B-Y, Chen C-Y and Chou W-C (2011) Obstacle avoidance using a path correction method for autonomous control of a biped intelligent robot *Journal of Vibration and Control* 17 (10): 1567-1573. Epub ahead of print 22 November 2010. doi: 10.1177/1077546310372004
- Tang J-P, Chiou D-J, Chen C-W, Chiang W-L, Hsu W-K, Chen C-Y and Liu T-Y (2011) A case study of damage detection in benchmark buildings using a Hilbert-Huang Transform-based method *Journal of Vibration and Control* 17 (4): 623-636. Epub ahead of print 8 November 2010. doi: 10.1177/1077546309360053
- Liu TY, Chiang WL, Chen CW, Hsu WK, Lu LC and Chu TJ (2011) Identification and monitoring of bridge health from ambient vibration data *Journal of Vibration and Control* 17 (4): 589-603. Epub ahead of print 12 November 2010. doi: 10.1177/1077546309360049
- Lin JW, Huang CW, Shih CH and Chen CY (2011) Fuzzy Lyapunov Stability Analysis and NN Modeling for Tension Leg Platform Systems *Journal of Vibration and Control* 17 (1): 151-158. Epub ahead of print 25 August 2010. doi: 10.1177/1077546309350477
- Lee WI, Chen CY, Kuo HM and Sui YC (2010) The Development of Half-circle Fuzzy Numbers and Application in Fuzzy Control *Journal of Vibration and Control* 16 (13): 1977-1987. Epub ahead of print 22 April 2010. doi: 10.1177/1077546309349849