

Lawrence Tech Authors List - 2011

- [Ali, Hua]** Ali, Ahad and Kun Hua. "An Adaptive Modulation Scheme in Wireless Multimedia Sensor Networks." 2011 IEEE GLOBECOM Workshops, GC Wkshps 2011.
- [Ali]** Ali, Ahad and Khaled Altayib. "Improvement for Alignment Process of Automotive Assembly Plant using Simulation and Design of Experiments." *International Journal of Experimental Design and Process Optimisation* 2, no. 2 (2011): 145.
- [Shamir]** Allen, A., R. Nemiroff, Lior Shamir, and P. Teuben. "Practices in Code Discoverability: Astrophysics Source Code Library .". Paris, France, Astronomical Data Analysis Software & Systems (ADASS), November 6-10, 2011, . <http://www.adass.org/>.
- [Burcon]** Ames, Melissa and Sarah Himsel Burcon. *Women and Language Essays on Gendered Communication Across Media*. McFarland & Co Inc Pub: 2011.
- [Anneberg]** Anneberg, Lisa, Jiao Luo, and Suyun Luo. "Student Attitudes on a Collaborative Undergraduate Engineering Program between the USA and China." Duluth, Minnesota, American Society for Engineering Education, North Midwest Section Meeting, October 13-15, 2011.
- [Arlinghaus,W.]** Arlinghaus, S. L. and William C. Arlinghaus. "Pneumatic Networks as Geographs." *Geographical Analysis* 43, no. 4 (2011): 358-369.
- [Bertram]** Bertram, Stephen. "The Inspiration for 'if'." *The Kipling Journal : The Organ of the Kipling Society* 85, no. 343 (2011): 44-51.
- [Carpenter]** Bielby, R. M., T. S. Harding, Donald D. Carpenter, C. J. Finelli, J. Sutkus, B. A. Burt, E. Ra, and M. Holsapple. "Impact of Different Curricular Approaches to Ethics Education on Ethical Reasoning Ability." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.
- [Ali]** Blake, J. and Ahad Ali. "Simulation Analysis and Performance Improvement of Engine Assembly Line." *International Journal of Process Systems Engineering* 1, no. 3 (01/01, 2011): 288-301. <http://dx.doi.org/10.1504/IJPSE.2011.041563>.
- [Stavros]** Bright, D. S., J. Stansbury, M. Alzola, and Jacqueline M. Stavros. "Virtue Ethics in Positive Organizational Scholarship: An Integrative Perspective." *Canadian Journal of Administrative Sciences* 28, no. 3 (2011): 231-243.
- [Meyer]** Buckley, C. T., Eric G. Meyer, and D. J. Kelly. "The Influence of Construct Scale on the Composition and Functional Properties of Cartilaginous Tissues Engineered

using Bone Marrow-Derived Mesenchymal Stem Cells." *Tissue Engineering.Part A* 18, no. 3-4 (Feb, 2012): 382-396. doi:10.1089/ten.TEA.2011.0145.

[Carpenter] Burt, B. A., Donald D. Carpenter, C. J. Finelli, T. S. Harding, J. Sutkus, M. Holsapple, R. M. Bielby, and E. Ra. "Outcomes of Engaging Engineering Undergraduates in Co-Curricular Experiences." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.

[Carpenter, Hayes, Gerhart] Carpenter, Donald D., Katie Hayes, Christopher Ward, and Andrew L. Gerhart. "Assessment and Evaluation of a Comprehensive Course Modification Plan." *Journal of Engineering Entrepreneurship* 2, no. 2 (2011): 15-34.

[Carpenter] Carpenter, Donald D. and P. Kaluvakolanu. "Effect of Roof Surface Type on Storm-Water Runoff from Full-Scale Roofs in a Temperate Climate." *Journal of Irrigation and Drainage Engineering* 137, no. 3 (2011): 161-169.

[Carpenter] Carpenter, Donald D., Carol Miller, Michigan, Dept. of Transportation, Office of Research & Best Practices, Lawrence Technology University, Dept. of Civil Engineering, Wayne State University, and Civil Engineering Dept. *A Critical Evaluation of Bridge Scour for Michigan Specific Conditions*. Southfield, Mich: Lawrence Technological University, 2011.

[Castelli] Castelli, Patricia Ann. "An Integrated Model for Practicing Reflective Learning." *Academy of Educational Leadership Journal* 15, (12/02, 2011): 15-30.
<http://ezproxy.ltu.edu:8080/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=bth&AN=64876418&site=ehost-live&scope=site>.

— — —. "Reflective Learning in Practice: Transforming Experiences in a Graduate Global Leadership Curriculum." Academic and Business Research Institute International Conference Proceedings. Nashville, Tennessee, 2011.

[Chang] Chang, Peter H. "Modeling the Management of Electronic Health Records in Healthcare Information Systems." Proceedings - 2011 International Conference on Cyber-Enabled Distributed Computing and Knowledge Discovery, CyberC 2011.

[Ali, Cook] Cook, Valerie G. C. and Ahad Ali. "Fighting Failure with the Internet." *Industrial Engineer* 43, no. 6 (2011): 31-36.

[Das] Das, Bibhuti B. and B. Kondraivendhan. "Implication of Pore Size Distribution Parameters on Compressive Strength, Permeability and Hydraulic Diffusivity of Concrete." *Construction and Building Materials* 28, no. 1 (2011): 382-386.

[El-Bathy,N., Azar, El-Bathy,M., Stein] El-Bathy, Naser, Ghassan Azar, Mohammed El-Bathy, and Gordon Stein. "Intelligent Extended Clustering Genetic Algorithm." IEEE International Conference on Electro Information Technology. 2011.

———. "Intelligent Information Retrieval Lifecycle Architecture Based Clustering Genetic Algorithm using SOA for Modern Medical Industries." IEEE International Conference on Electro Information Technology. 2011.

[Carpenter] Finelli, C., M. A. Holsapple, R. M. Bielby, B. A. Burt, Donald D. Carpenter, T. Harding, and J. Sutkus. "Assessment the Ethical Development of Engineering Undergraduates in the United States." Madrid, Spain, Proceedings of the Research in Engineering Education Symposium, October 2011.

[Fletcher] Fletcher, Robert W. "A Seven Year Review and Assessment of Lawrence Technological University's Alternative Energy Engineering Program Initially Funded through Grants from the State of Michigan." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.

[Fogel] Fogel, Gyongyi Konyu. "Video Teaching Guide." In *International Business*, edited by Michael R. Czinkota, Ilkka A. Ronkainen and Michael H. Moffett. 8th ed. Hoboken, NJ: Wiley, 2011.

[Gerhart, Carpenter, Grunow] Gerhart, Andrew L., Donald D. Carpenter, and Melissa L. Grunow. "Work in Progress - Assessment of a Leadership Curriculum." Proceedings - Frontiers in Education Conference, FIE. 2011.

[Gerhart, Fletcher] Gerhart, Andrew L. and Robert W. Fletcher. "Development and Implementation of a Certificate in Energy and Environmental Management." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.

———. "Project-Based Learning and Design Experiences in Introduction to Engineering Courses - Assessing an Incremental Introduction of Engineering Skills."2011.

[Gerhart,A.] Gerhart, Andrew L. and P. M. Gerhart. "Using Familiar Analogies to Teach Fundamental Concepts in Thermo-Fluids Courses." ASEE Annual Conference and Exposition, Conference Proceedings, 2011.

[Ali] Gojcaj, Martin and Ahad Ali. "Design, Simulation and Improvement of the end-of-line Conveyor System for Car Rear Seatbacks Manufacturing." *International Journal of Human Factors Modelling and Simulation* 2, no. 3 (01/01, 2011): 222-235. doi:10.1504/IJHFMS.2011.044511. <http://dx.doi.org/10.1504/IJHFMS.2011.044511>.

[Grace, Jensen, Noamesi,] Grace, Nabil F., Elin A. Jensen, and Delali K. Noamesi. "Flexural Performance of Carbon Fiber-Reinforced Polymer Prestressed Concrete

Side-by-Side Box Beam Bridge." *Journal of Composites for Construction* 15, no. 5 (2011): 663-671.

[Moore] Granneman, J. G., Hsiao-Ping H. Moore, E. P. Mottillo, Z. Zhu, and L. Zhou. "Interactions of Perilipin-5 (Plin5) with Adipose Triglyceride Lipase." *Journal of Biological Chemistry* 286, no. 7 (2011): 5126-5135.

[Gyure] Gyure, Dale Allen. *The Chicago Schoolhouse*. Center Books on Chicago and Environs [15];. 1st ed. Chicago, Ill: Center for American Places at Columbia College Chicago : Distributed by University of Chicago Press, 2011.

[Ali] Hassan, Q. K., Ahad Ali, N. S. Sekhon, and X. Wang. "Analysis of Wind Power Potentials at Selected Airport Locations in Canada." *International Journal of Industrial and Systems Engineering* 9, no. 2 (2011): 150-162.

[Ali] Hassan, Q. K., K. M. Rahman, A. S. Haque, and Ahad Ali. "Solar Energy Modelling Over a Residential Community in the City of Calgary, Alberta, Canada." *International Journal of Photoenergy Annual*, (2011).

[Meyer] Haugh, M. G., Eric G. Meyer, S. D. Thorpe, T. Vinardell, G. P. Duffy, and D. J. Kelly. "Temporal and Spatial Changes in Cartilage-Matrix-Specific Gene Expression in Mesenchymal Stem Cells in Response to Dynamic Compression." *Tissue Engineering.Part A* 17, no. 23-24 (Dec, 2011): 3085-3093.
doi:10.1089/ten.tea.2011.0198.

[Liu] He, J., Liping Liu, and A. M. Jacobi. "Numerical and Experimental Investigation of Laminar Channel Flow with a Transparent Wall." *Journal of Heat Transfer* 133, no. 6 (2011).

[Helterhoff] Helterhoff, Holly. "Crossing the Bridge." 7th Annual National Symposium on Student Retention, Consortium for Student Retention Data Exchange (CSRDE). Charleston, SC, Consortium for Student Retention Data Exchange, October 2011.

[Helterhoff, Zweisler-Vollick, Aviles] Helterhoff, Holly, Julie Zweisler-Vollick, and Gladys Aviles. "Beyond Newsletters." 7th Annual National Symposium on Student Retention, Consortium for Student Retention Data Exchange (CSRDE). Charleston, SC, Consortium for Student Retention Data Exchange, October 2011.

[Hettiarachchi] Hettiarachchi, C. Hiroshan. "Erratum for "use of SPT Blow Counts to Estimate Shear Strength Properties of Soils: Energy Balance Approach" by Hiroshan Hettiarachchi and Timothy Brown." *Journal of Geotechnical and Geoenvironmental Engineering* 137, no. 4 (2011): 451.

- [Hettiarachchi]** Hettiarachchi, C. Hiroshan and J. Thani. "Variation of Shear Strength Properties with the Organic Fraction in Unsaturated Synthetic Municipal Solid Waste." Geotechnical Special Publication. 2011.
- [Carpenter]** Holsapple, M., J. Sutkus, Donald D. Carpenter, C. J. Finelli, B. A. Burt, E. Ra, T. S. Harding, and R. M. Bielby. "We can't Get no Satisfaction!: The Relationship between Students' Ethical Reasoning and their Satisfaction with Engineering Ethics Education." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.
- [Ali]** Hossain, E., M. R. Khan, R. Muhida, and Ahad Ali. "State of the Art Review on Walking Support System for Visually Impaired People." *International Journal of Biomechanics and Biomedical Robotics* 1, no. 4 (11/19; 2012/2, 2011): 232.
- [Ali]** Hossain, E., M. R. Khan, R. Muhida, Ahad Ali, and B. Shirinzadeh. "Analysis and Implementation for a Walking Support System for Visually Impaired People." *International Journal of Intelligent Mechatronics and Robotics* no. 3 (2011): 46-62. doi:10.4018/ijimr.2011070104.
- [Hettiarachchi, Meegoda]** Hunte, C. A., J. P. A. Hettiaratchi, C. Hiroshan Hettiarachchi, and Jay N. Meegoda. "Determination of Waste Properties from Settlement Behaviour of a Full Scale Waste Cell Operated as a Landfill Bioreactor." Geotechnical Special Publication. 2011.
- [Hettiarachchi, Meegoda]** Hunte, C. A., J. P. A. Hettiaratchi, Jay N. Meegoda, and C. Hiroshan Hettiarachchi. "Performance of a Waste Cell in Cold Climate Operated as an Anaerobic Landfill Bioreactor." Geotechnical Special Publication. 2011.
- [Jawad]** Jawad, Badih A., K. Adams, and G. C. Marshall. "Improving Performance in Indirect, Natural Gas Line Heaters." SAE 2011 World Congress and Exhibition. 2011. doi:10.4271/2011-01-1016.
- [Lahr]** Lahr, Lee. *Minding Your Own Business: Prepare to Run One*. Plymouth, Michigan: Venture Launch Publishing, Inc., 2011.
- [Lamers]** Lamers, Sara E. "Crucifix with a Bending Christ [Poem]." *DMQ Review: Disquieting Muses Quarterly* Fall, (2011).
- . "Hops Plant [Poem]." *Hawaii Pacific Review* 25, (2011).
- . "Miscarriage [Poem]." *DMQ Review: Disquieting Muses Quarterly* Fall, (2011).
- . "Old Wives Tale [Poem]." *Wisconsin Review* 46, no. 1 (2011).

———. "On Robert Hass' 'Meditation at Lagunitas' [Poem]." *Hawaii Pacific Review* 25, (2011).

———. "Past Life of the Libido [Poem]." *Fourteen Hills* 17, no. 2 (2011).

———. "Tarnished Girls [Poem]." *Gulf Stream* no. 6 Fall (2011).

[Meyer] Meyer, Eric G., T. G. Baumer, and R. C. Haut. "Pure Passive Hyperextension of the Human Cadaver Knee Generates Simultaneous Bicruciate Ligament Rupture." *Journal of Biomechanical Engineering* 133, no. 1 (2011): 011012.

<http://dx.doi.org/10.1115/1.4003135>

[Meyer] Meyer, Eric G., C. T. Buckley, A. J. Steward, and D. J. Kelly. "The Effect of Cyclic Hydrostatic Pressure on the Functional Development of Cartilaginous Tissues Engineered using Bone Marrow Derived Mesenchymal Stem Cells." *Journal of the Mechanical Behavior of Biomedical Materials* 4, no. 7 (10/01, 2011): 1257-1265. doi:10.1016/j.jmbbm.2011.04.012. <http://pubget.com/paper/21783134;>

[Stavish] Milgram, Goldie and Corinne Stavish. *Mitzvah Stories : Seeds for Inspiration and Learning*. 1st ed. New Rochelle, NY: Reclaiming Judaism Press, 2011.

[Ali] Mukaddes, A. M., M. Khadem, Ahad Ali, and S. K. Shah. "Developing a Human Resource Information System for Information Management in a Garment Industry ." International Conference on Industrial Engineering and Operations Management. Kuala Lumpur, Malaysia, January 20-22, 2011.

[Munevar] Munévar, Gonzalo. "A Darwinian Account of Self and Free Will." In *Evolution 2.0 : Implications of Darwinism in Philosophy and the Social and Natural Sciences*, edited by M. H. Brinkworth and F. Weinert. Berlin ; New York: Springer, 2011.

———. "Einstein y El Limite De La Velocidad De La Luz." In *Einstein: Científico y Filósofo*, edited by G. Guerrero Pino. Cali, Colombia: Programa Editorial Universidad del Valle, 2011.

———. "Reznick's Interpretation of Darwin's *Origin*." *The European Legacy* 16, no. 3 (2011): 399-401.

[Hettiarachchi] Murley, S. C. and C. Hiroshan Hettiarachchi. "Predicting Shear Strength Properties for Low-Sensitivity Granular-Cohesive Soils from SPT Results." Geotechnical Special Publication. 2011.

[Ali, Ogundu (DEMS Student)] Ogundu, Joseph M. and Ahad Ali. "Developing the Direct Relationship between Waste Reduction/Elimination and Operating Performance

Measures." IIE Annual Conference, Industrial Engineering Research Conference. Reno, Nevada, May 21-25, 2011.

[Shamir] Orlov, N. V., D. M. Eckley, Lior Shamir, and I. G. Goldberg. "Improving Class Separability using Extended Pixel Planes: A Comparative Study." *Machine Vision and Applications* (2011): 1-12.

[Ali] Pandian, Annamalai and Ahad Ali. "Automotive Robotic Body Shop Simulation for Performance Improvement using Plant Feedback." *International Journal of Industrial and Systems Engineering* 7, no. 3 (2011): 269-291.

[Vantsevich, Gray (Student), Patterson (Student)] Patterson, J. (Mechatronics Student), J. (Mechatronics Student) Gray, Vladimir V. Vantsevich, and G. Bortolin. "Fundamentals of Driveline and Traction Control Systems Fusion for Improving Traction of a 4x4 Single Bucket Loader." 17th International Conference of the International Society for Terrain Vehicle Systems. Blacksburg, Virginia, September 18-22, 2011.

[Camardese] Petkov, V., A. Timmons, John Camardese, and Y. Ren. "Li Insertion in Ball-Milled Graphitic Carbon Studied by Total x-Ray Diffraction." *Journal of Physics Condensed Matter* 23, no. 43 (2011).

[Plowright] Plowright, Philip, Bryce Gamper, Architectural Research Centers Consortium. Spring Conference (2011: Detroit, MI), Architectural Research Centers Consortium, Lawrence Technological University, and College of Architecture and Design. *Considering Research: Reflecting upon Current Themes in Architectural Research*. Southfield, MI: Lawrence Technological University, 2011.

[Porter] Porter, Thomas. "Top 10 Features to Understand about Construction Project Delivery in China." *Construction Law International* 6, no. 4 (2011): 19-23.

[Ali] Rahman, M. A., Ahad Ali, and A. Rahman. "Bayesian Information Update for Retailer's Two-Stage Inventory Model Under Demand Uncertainty." International Conference on Industrial Engineering and Operations Management. Kuala Lumpur, Malaysia, January 20-22, 2011.

[Hettiarachchi] Reddy, K. R., C. Hiroshan Hettiarachchi, J. Gangathulasi, and J. E. Bogner. "Geotechnical Properties of Municipal Solid Waste at Different Phases of Biodegradation." *Waste Management* 31, no. 11 (2011): 2275-2286.

[Ali, Reimer, Abro] Reimer, Donald M., Ahad Ali, and S. R. Abro. "Relationship between Student Competitive Activities and the Entrepreneurial Mindset." 2011.

- [Stavros]** Rothwell, W. J. and Jacqueline M. Stavros. "Introduction." *International Journal of Training and Development* 15, no. 1 (2011): 1-2.
- [Shamir]** Shamir, Lior. "Assessing the Efficacy of Low-Level Image Content Descriptors for Computer-Based Fluorescence Microscopy Image Analysis." *Journal of Microscopy* 243, no. 3 (2011): 284-292.
- . "A Computer Analysis Method for Correlating Knee X-Rays with Continuous Indicators." *International Journal of Computer Assisted Radiology and Surgery* (2011): 1-6.
- . "G analyzer: A Tool for Automatic Galaxy Image Analysis." *Astrophysical Journal* 736, no. 2 (2011).
- [Ali]** Shetty, D., Ahad Ali, and J. Hill. "Optical Instrumentation for Vibration Measurement and Monitoring." *International Journal of Precision Engineering and Manufacturing* 12, no. 3 (2011): 405-411.
- [Vantsevich, Shyrokau (student)]** Shyrokau, B. N. (student), D. Wang, Vladimir V. Vantsevich, K. Augsburg, and V. Ivanov. "Multi-Task Integrated Vehicle Dynamics Control." EAEC European Automotive Congress. Valencia, Spain, June 14-16, 2011.
- [Stavros, Cole]** Sprangel, J., Jacqueline M. Stavros, and Matthew Cole. "Creating Sustainable Relationships using the Strengths, Opportunities, Aspirations and Results Framework, Trust, and Environmentalism: A Research-Based Case Study." *International Journal of Training and Development* 15, no. 1 (2011): 39-57.
- [Stefan]** Stefan, Anca. "A Computer Model of Cell Dynamics using Agents." *Computers in Education Journal* 2, no. 1 (2011): 84-89.
- [Stevens]** Stevens, Jason Jay. "Rationally Entertained: Non-Museological Foundations of the Contemporary Science Center." *Exhibitionist: Journal of the National Association for Museum Exhibition* 30, no. 1 (2011): 56-63.
- [Moore]** Tan, X., H. -J Yoon, J. Granneman, H. -P Moore, and M. M. -C Cheng. "A High-Throughput Microfluidic Chip for Size Sorting of Cells." Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS). 2011.
- [Shamir]** Teuben, P., A. Allen, R. Nemiroff, and Lior Shamir. "Challenges in Code Discoverability." Paris, France, Astronomical Data Analysis Software & Systems (ADASS), November 6-10, 2011. <http://www.adass.org/>.

- [Tocco, Carpenter]** Tocco, John V. and Donald D. Carpenter. "Re-Engineering the Capstone: Melding an Industry Oriented Framework and the BOK2." ASEE Annual Conference and Exposition, Conference Proceedings. 2011.
- [Vantsevich]** Vantsevich, Vladimir V. and G. Bortolin. "Axle Drive and Brake-Based Traction Control Interaction." *SAE International Journal of Commercial Vehicles* 4, no. 1 (2011): 49-55.
- [Vantsevich]** Vantsevich, Vladimir V., G. Bortolin, V. I. Kabanau, and S. I. Strigunov. "4x4 Off-Road Tractors: Traction Performance and Energy Efficiency." 22nd International Symposium: Dynamics of Vehicles on Roads and Tracks. Manchester, U.K., August 14-19, 2011.
- [Hua]** Wang, Y., Kun Hua, and J. Zhang. "Fast and High Accuracy Numerical Methods for Solving PDEs in Computational Finance." Proceedings of the 2011 International Conference on Business Computing and Global Informatization. 2011.
- [Ali]** Whitaker, A., B. Sarder, and Ahad Ali. "A Literary Review of Distribution Based Logistics in Operation Iraqi Freedom." International Conference on Industrial Engineering and Operations Management. Kuala Lumpur, Malaysia, January 20-22, 2011.
- [Vantsevich, Wilson (Student), Kopchick,(Student), Siero (Student)]** Wilson, T. (student), C. (student) Kopchick, M. (student) Siero, and Vladimir V. Vantsevich. "Terrain Truck: Control of Wheel Rotational Velocities and Tire Slippages." SAE Commercial Vehicle Engineering Congress. Rosemount, Illinois, September 13-14, 2011.
- [Shamir]** Zhang, Yu-Jin and Lior Shamir. "Pose and Illumination Invariance with Compound Image Transforms." In *Advances in Face Image Analysis : Techniques and Technologies*, edited by Yu-Jin Zhang, 382. Hershey, PA: Medical Information Science Reference, 2011.