



Kincho Law

Professor of Civil and Environmental Engineering

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrator**

Kim Vonner - Administrative Associate

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Bio

BIO

Prof. Law's professional and research interests focus on the application of computational and information science in engineering. His work has dealt with various aspects of computational mechanics and structural dynamics, AI and machine learning, large scale database management, Internet and cloud computing, numerical methods and high performance computing. His research application areas include computer aided engineering, legal and engineering informatics, engineering enterprise integration, web services and supply chain management, monitoring and control of engineering systems, smart infrastructures, and smart manufacturing.

ACADEMIC APPOINTMENTS

- Professor, Civil and Environmental Engineering

HONORS AND AWARDS

- Distinguished Member, American Society of Civil Engineers (2017)
- Fellow, American Society of Mechanical Engineers (2017)
- Senior Member, Institute of Electrical and Electronics Engineers (2019)
- Excellence in Research Award, Division of Computers and Information in Engineering, American Society of Mechanical Engineers (2023)
- Computing in Civil Engineering Award, American Society of Civil Engineers (2011)
- Distinguished (Visiting) Professor, Tsinghua University (2019-2022)
- Chair (Visiting) Professor, Tsinghua University (2013-2018)
- Visiting (Honorary Research) Professor, Faculty of Architecture, University of Hong Kong (2018-2021)
- Faculty Member of the Year Award, Society of Chicano/Latino Engineers and Scientists, Stanford University (1996)
- Outstanding Research Advisor, Society of Chicano/Latino Engineers and Scientists, Stanford University (1993)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member of Academic Advisory Committee, School of Engineering, Hong Kong University of Science and Technology (2017 - 2020)
- Member of Advisory Committee, GREAT Smart Cities Institute (GSCI), Hong Kong University of Science and Technology (2022 - present)

- Member of International Scientific Committee, Georg Nemetschek Institute (GNI), Technical University of Munich (2023 - present)

PROFESSIONAL EDUCATION

- PhD, Carnegie Mellon University , Civil Engineering (1981)
- MS, Carnegie Mellon University , Civil Engineering (1979)
- B.Sc, University of Hawaii , Civil Engineering (1976)
- BA, University of Hawaii , Mathematics (1976)

LINKS

- <http://eil.stanford.edu/law>: <http://eil.stanford.edu/law>

Teaching

COURSES

2025-26

- Finite Element Methods in Structural Dynamics: CEE 284 (Aut)
- Structural Analysis: CEE 180 (Spr)
- Structural Dynamics: CEE 283 (Win)

2024-25

- Finite Element Methods in Structural Dynamics: CEE 284 (Aut)
- Structural Dynamics: CEE 283 (Win)

2023-24

- Finite Element Methods in Structural Dynamics: CEE 284 (Aut)
- Optimization in Structural Engineering: CEE 380 (Spr)
- Structural Dynamics: CEE 283 (Win)

2022-23

- Finite Element Methods in Structural Dynamics: CEE 284 (Aut)
- Structural Dynamics: CEE 283 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

JINPU CAO

Doctoral Dissertation Advisor (AC)

Matthew Sato

Master's Program Advisor

Noor Aljabiry, Harry Chen, Ryan Fruehwirth, Paul Guerrero Enciso, Hans Guo, Han-Cheng Lin, Cynthia Zhan

Publications

PUBLICATIONS

- **Hybrid Energy Harvesting from Natural Wind and Traffic-Induced Bridge Vibrations** *JOURNAL OF BRIDGE ENGINEERING*
Le, H., Kwon, S., Law, K. H.
2026; 31 (1)

- **Generating Dispatching Rules for the Interrupting Swap-Allowed Blocking Job Shop Problem Using Graph Neural Network and Reinforcement Learning** *JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME*
Wong, V., Kim, S., Park, J., Park, J., Law, K. H.
2024; 146 (1)
- **Identification and Interpretation of Melt Pool Shapes in Laser Powder Bed Fusion with Machine Learning** *SMART AND SUSTAINABLE MANUFACTURING SYSTEMS*
Sato, M. M., Wong, V. W. H., Yeung, H., Witherell, P., Law, K. H.
2024; 8 (1)
- **Modeling Crowd Data and Spatial Connectivity as Graphs for Crowd Flow Forecasting in Public Urban Space**
Wong, V. W. H., Law, K. H.
edited by Turkan, Y., Louis, J., Leite, F., Ergan, S.
AMER SOC CIVIL ENGINEERS.2024: 202-210
- **Fusion of CCTV Video and Spatial Information for Automated Crowd Congestion Monitoring in Public Urban Spaces** *ALGORITHMS*
Wong, V. W. H., Law, K. H.
2023; 16 (3)
- **EXPLAINABILITY OF LASER POWDER BED FUSION MELT POOL CLASSIFICATION USING DEEP LEARNING**
Sato, M. M., Wong, V., Law, K. H., Yeung, H., Witherell, P., AMER SOC MECHANICAL ENGINEERS
AMER SOC MECHANICAL ENGINEERS.2023
- **Instance segmentation of soft-story buildings from street-view images with semiautomatic annotation** *EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS*
Wang, C., Hornauer, S., Yu, S. X., McKenna, F., Law, K. H.
2022
- **AdaLN: A Vision Transformer for Multidomain Learning and Predisaster Building Information Extraction from Images** *JOURNAL OF COMPUTING IN CIVIL ENGINEERING*
Guo, Y., Wang, C., Yu, S. X. X., McKenna, F., Law, K. H. H.
2022; 36 (5)
- **Segmentation of Additive Manufacturing Defects Using U-Net** *JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING*
Vivian Wen Hui Wong, Ferguson, M., Law, K. H., Yung-Tsun Tina Lee, Witherell, P.
2022; 22 (3)
- **Society 5.0: Human Centric, Decentralized, and Hyperautomated** *IT PROFESSIONAL*
Patrikakis, C., Law, K.
2022; 24 (3): 16
- **Data-driven analytical load rating method of bridges using integrated bridge structural response and weigh-in-motion truck data** *MECHANICAL SYSTEMS AND SIGNAL PROCESSING*
Hou, R., Jeong, S., Lynch, J. P., Ettouney, M. M., Law, K. H.
2022; 163
- **Machine learning-based regional scale intelligent modeling of building information for natural hazard risk management** *AUTOMATION IN CONSTRUCTION*
Wang, C., Yu, Q., Law, K. H., McKenna, F., Yu, S. X., Taciroglu, E., Zsarnoczay, A., Elhaddad, W., Cetiner, B.
2021; 122
- **An agent-based simulator for indoor crowd evacuation considering fire impacts** *AUTOMATION IN CONSTRUCTION*
Li, Z., Huang, H., Li, N., Chu, M., Law, K.
2020; 120
- **Rapid visual screening of soft-story buildings from street view images using deep learning classification** *EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION*
Yu, Q., Wang, C., McKenna, F., Yu, S. X., Taciroglu, E., Cetiner, B., Law, K. H.
2020; 19 (4): 827–38

- **Cyber-physical system architecture for automating the mapping of truck loads to bridge behavior using computer vision in connected highway corridors** *TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES*
Hou, R., Jeong, S., Lynch, J. P., Law, K. H.
2020; 111: 547–71
- **A STANDARDIZED REPRESENTATION OF CONVOLUTIONAL NEURAL NETWORKS FOR RELIABLE DEPLOYMENT OF MACHINE LEARNING MODELS IN THE MANUFACTURING INDUSTRY**
Ferguson, M., Jeong, S., Law, K. H., Levitan, S., Narayanan, A., Burkhardt, R., Jena, T., Lee, Y., ASME
AMER SOC MECHANICAL ENGINEERS.2020
- **Stochastic Neural Control using Raw Pointcloud Data and Building Information Models**
Ferguson, M., Law, K. H., IEEE
IEEE.2020: 5460-5467
- **Smart City: Technologies and Challenges** *IT PROFESSIONAL*
Law, K. H., Lynch, J. P.
2019; 21 (6): 46–50
- **Sensor data reconstruction using bidirectional recurrent neural network with application to bridge monitoring** *ADVANCED ENGINEERING INFORMATICS*
Jeong, S., Ferguson, M., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
2019; 42
- **Incorporating Individual Behavior, Knowledge, and Roles in Simulating Evacuation** *FIRE TECHNOLOGY*
Chu, M., Law, K. H.
2019; 55 (2): 437–64
- **A scalable cloud-based cyberinfrastructure platform for bridge monitoring** *STRUCTURE AND INFRASTRUCTURE ENGINEERING*
Jeong, S., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
2019; 15 (1): 82–102
- **A Standardized PMML Format for Representing Convolutional Neural Networks with Application to Defect Detection** *SMART AND SUSTAINABLE MANUFACTURING SYSTEMS*
Ferguson, M., Lee, Y., Narayanan, A., Law, K. H.
2019; 3 (1): 79–97
- **Sensor Data Reconstruction and Anomaly Detection using Bidirectional Recurrent Neural Network**
Jeong, S., Ferguson, M., Law, K. H.
edited by Lynch, J. P., Huang, H., Sohn, H., Wang, K. W.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Reidentification of Trucks in Highway Corridors using Convolutional Neural Networks to Link Truck Weights to Bridge Responses**
Hou, R., Jeong, S., Law, K. H., Lynch, J. P.
edited by Lynch, J. P., Huang, H., Sohn, H., Wang, K. W.
SPIE-INT SOC OPTICAL ENGINEERING.2019
- **Utilization of Bio-Ontologies for Enhancing Patent Information Retrieval**
Taduri, S., Law, K. H., Kesan, J. P., Sriram, R. D.
edited by Getov, Gaudiot, J. L., Yamai, N., Cimato, S., Chang, M., Teranishi, Y., Yang, J. J., Leong, H. V., Shahriar, H., Takemoto, M., Towey, D., Takakura, H., Elci, A., Susumu, Puri, S.
IEEE COMPUTER SOC.2019: 91–96
- **An Assistive Learning Workflow on Annotating Images for Object Detection**
Wong, V., Ferguson, M., Law, K. H., Lee, Y.
edited by Baru, C., Huan, J., Khan, L., Hu, X. H., Ak, R., Tian, Y., Barga, R., Zaniolo, C., Lee, K., Ye, Y. F.
IEEE.2019: 1962–70
- **A Bridge Information Modeling Framework for Model Interoperability**
Qin, Y., Xiao, R., Wang, Y., Law, K. H.
edited by Cho, Y. K., Leite, F., Behzadan, A., Wang, C.

AMER SOC CIVIL ENGINEERS.2019: 447–54

- **Worksite Object Characterization for Automatically Updating Building Information Models**
Ferguson, M., Jeong, S., Law, K. H.
edited by Cho, Y. K., Leite, F., Behzadan, A., Wang, C.
AMER SOC CIVIL ENGINEERS.2019: 303–11
- **A Standardized PMML Format for Representing Convolutional Neural Networks with Application to Defect Detection.** *Smart and sustainable manufacturing systems*
Ferguson, M., Lee, Y. T., Narayanan, A., Law, K. H.
2019; 3 (1): 79-97
- **A 2D-3D Object Detection System for Updating Building Information Models with Mobile Robots**
Ferguson, M., Law, K., IEEE
IEEE.2019: 1357–65
- **Detection and Segmentation of Manufacturing Defects with Convolutional Neural Networks and Transfer Learning.** *Smart and sustainable manufacturing systems*
Ferguson, M. K., Ronay, A., Lee, Y. T., Law, K. H.
2018; 2
- **Data Driven Analytics (Machine Learning) for System Characterization, Diagnostics and Control Optimization**
Park, J., Ferguson, M., Law, K. H.
edited by Smith, I. F., Domer, B.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 16–36
- **Detection and Segmentation of Manufacturing Defects with Convolutional Neural Networks and Transfer Learning** *SMART AND SUSTAINABLE MANUFACTURING SYSTEMS*
Ferguson, M., Ak, R., Lee, Y., Law, K. H.
2018; 2 (1): 137–64
- **An information modeling framework for bridge monitoring** *ADVANCES IN ENGINEERING SOFTWARE*
Jeong, S., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
2017; 114: 11–31
- **A Data-Driven, Cooperative Approach for Wind Farm Control: A Wind Tunnel Experimentation** *ENERGIES*
Park, J., Kwon, S., Law, K.
2017; 10 (7)
- **Toward a Generalized Energy Prediction Model for Machine Tools** *JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME*
Bhinge, R., Park, J., Law, K. H., Dornfeld, D. A., Helu, M., Rachuri, S.
2017; 139 (4)
- **A GENERALIZED METHOD FOR FEATURIZATION OF MANUFACTURING SIGNALS, WITH APPLICATION TO TOOL CONDITION MONITORING**
Ferguson, M., Law, K. H., Bhinge, R., Lee, Y., ASME
AMER SOC MECHANICAL ENGINEERS.2017
- **A Distributed Cloud-based Cyberinfrastructure Framework for Integrated Bridge Monitoring**
Jeong, S., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
edited by Lynch, J. P.
SPIE-INT SOC OPTICAL ENGINEERING.2017
- **A computational framework for regional seismic simulation of buildings with multiple fidelity models** *ADVANCES IN ENGINEERING SOFTWARE*
Xu, Z., Lu, X., Law, K. H.
2016; 99: 100–110
- **Bayesian Ascent: A Data-Driven Optimization Scheme for Real-Time Control With Application to Wind Farm Power Maximization** *IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY*

- Park, J., Law, K. H.
2016; 24 (5): 1655–68
- **A NoSQL data management infrastructure for bridge monitoring** *SMART STRUCTURES AND SYSTEMS*
Jeong, S., Zhang, Y., O'Connor, S., Lynch, J. P., Sohn, H., Law, K. H.
2016; 17 (4): 669-690
 - **A data-driven, cooperative wind farm control to maximize the total power production** *APPLIED ENERGY*
Park, J., Law, K. H.
2016; 165: 151-165
 - **CLOUD-BASED CYBER INFRASTRUCTURE FOR BRIDGE MONITORING**
Jeong, S., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
edited by Yang, Q., Yang, Y., Ru, J.
SCIENCE PRESS BEIJING.2016: 252–57
 - **Evaluation of a PMML-Based GPR Scoring Engine on a Cloud Platform and Microcomputer Board for Smart Manufacturing**
Ferguson, M., Law, K. H., Bhinge, R., Dornfeld, D., Park, J., Lee, Y.
edited by Joshi, J., Karypis, G., Liu, L., Hu, Ak, R., Xia, Y., Xu, W., Sato, A. H., Rachuri, S., Ungar, L., Yu, P. S., Govindaraju, R., Suzumura, T.
IEEE.2016: 2014–23
 - **A Data-Driven Approach for Cooperative Wind Farm Control**
Park, J., Kwon, S., Law, K. H., IEEE
IEEE.2016: 525–30
 - **A Cloud based Information Repository for Bridge Monitoring Applications**
Jeong, S., Zhang, Y., Hou, R., Lynch, J. P., Sohn, H., Law, K. H.
edited by Lynch, J. P.
SPIE-INT SOC OPTICAL ENGINEERING.2016
 - **Simulating effects of signage, groups, and crowds on emergent evacuation patterns** *AI & SOCIETY*
Chu, M., Parigi, P., Latombe, J., Law, K. H.
2015; 30 (4): 493–507
 - **Cooperative wind turbine control for maximizing wind farm power using sequential convex programming** *ENERGY CONVERSION AND MANAGEMENT*
Park, J., Law, K. H.
2015; 101: 295-316
 - **Layout optimization for maximizing wind farm power production using sequential convex programming** *APPLIED ENERGY*
Park, J., Law, K. H.
2015; 151: 320-334
 - **Real-Time Energy Prediction for a Milling Machine Tool Using Sparse Gaussian Process Regression**
Park, J., Law, K. H., Bhinge, R., Chen, M., Dornfeld, D., Rachuri, S.
edited by Ho, H., Ooi, B. C., Zaki, M. J., Hu, X. H., Haas, L., Kumar, Rachuri, S., Yu, S. P., Hsiao, M. H., Li, J., Luo, F., Pyne, S., Ogan, K.
IEEE.2015: 1451–60
 - **An ontology-based web service framework for construction supply chain collaboration and management** *ENGINEERING CONSTRUCTION AND ARCHITECTURAL MANAGEMENT*
Das, M., Cheng, J. C. P., Law, K. H.
2015; 22 (5): 551–72
 - **An Ontology-Based Approach for Retrieving Information from Disparate Sectors in Government: The Patent System as an Exemplar**
Law, K. H., Taduri, S., Lau, G. T., Kesan, J. P.
edited by Bui, T. X., Sprague, R. H.
IEEE COMPUTER SOC.2015: 2096–2105
 - **A Bayesian optimization approach for wind farm power maximization**
Park, J., Law, K. H.

edited by Peters, K. J.
SPIE-INT SOC OPTICAL ENGINEERING.2015

- **A Data Management Infrastructure for Bridge Monitoring**
Jeong, S., Byun, J., Kim, D., Sohn, H., Bae, I., Law, K. H.
edited by Lynch, J. P., Wang, K. W., Sohn, H.
SPIE-INT SOC OPTICAL ENGINEERING.2015
- **A GENERALIZED DATA-DRIVEN ENERGY PREDICTION MODEL WITH UNCERTAINTY FOR A MILLING MACHINE TOOL USING GAUSSIAN PROCESS**
Park, J., Law, K. H., Bhinge, R., Biswas, N., Srinivasan, A., Dornfeld, D. A., Helu, M., Rachuri, S., ASME
AMER SOC MECHANICAL ENGINEERS.2015
- **A NoSQL-based Data Management Infrastructure for Bridge Monitoring Database**
Jeong, S., Zhang, Y., Lynch, J. P., Sohn, H., Law, K. H.
edited by Chang, F. K., Kopsaftopoulos, F.
DESTECH PUBLICATIONS, INC.2015: 1567–74
- **A Data-driven Bayesian Ascent Method for Maximizing Wind Farm Power Production**
Park, J., Kwon, S., Law, K. H.
edited by Chang, F. K., Kopsaftopoulos, F.
DESTECH PUBLICATIONS, INC.2015: 2253–60
- **Power evaluation of flutter-based electromagnetic energy harvesters using computational fluid dynamics simulations** *JOURNAL OF INTELLIGENT MATERIAL SYSTEMS AND STRUCTURES*
Park, J., Morgenthal, G., Kim, K., Kwon, S., Law, K. H.
2014; 25 (14): 1800-1812
- **Decentralized fault detection and isolation in wireless structural health monitoring systems using analytical redundancy** *ADVANCES IN ENGINEERING SOFTWARE*
Smarsly, K., Law, K. H.
2014; 73: 1–10
- **REGNET: Regulatory information management, compliance and analysis** *GOVERNMENT INFORMATION QUARTERLY*
Law, K. H., Lau, G., Kerrigan, S., Ekstrom, J. A.
2014; 31: S37-S48
- **Advanced Structural Health Monitoring Based on Multiagent Technology** *COMPUTATION FOR HUMANITY: INFORMATION TECHNOLOGY TO ADVANCE SOCIETY*
Smarsly, K., Law, K. H.
edited by Zander, J., Mosterman, P. J.
2014: 95–125
- **Data collection and analysis** *ISS LAHTI PILOT CASE STUDY: NEW WAYS OF WORKING*
Fruchter, R., Medlock, L., Law, K. H., Mattila, P., Stahlberg, A., Maatta, H., Nykanen, E., Fruchter, R., Medlock, L., Law, K., Mattila, P., Stahlberg, A., Maatta, et al
2014; 176: 12–71
- **Objectives** *ISS LAHTI PILOT CASE STUDY: NEW WAYS OF WORKING*
Fruchter, R., Medlock, L., Law, K. H., Mattila, P., Stahlberg, A., Maatta, H., Nykanen, E., Fruchter, R., Medlock, L., Law, K., Mattila, P., Stahlberg, A., Maatta, et al
2014; 176: 7-+
- **ISS Lahti pilot case study New ways of working Discussion** *ISS LAHTI PILOT CASE STUDY: NEW WAYS OF WORKING*
Fruchter, R., Medlock, L., Law, K. H., Mattila, P., Stahlberg, A., Maatta, H., Nykanen, E., Fruchter, R., Medlock, L., Law, K., Mattila, P., Stahlberg, A., Maatta, et al
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- **An Intelligent Machine Monitoring System for Energy Prediction Using a Gaussian Process Regression**
Bhinge, R., Biswas, N., Dornfeld, D., Park, J., Law, K. H., Helu, M., Rachuri, S., IEEE
edited by Lin, J., Hu, X. H., Chang, W., Nambiar, R., Aggarwal, C., Cercone, N., Honavar, Huan, J., Mobasher, B., Pyne, S.

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- **Computational Framework Incorporating Human Behaviors for Egress Simulations** *JOURNAL OF COMPUTING IN CIVIL ENGINEERING*
Chu, M. L., Law, K.
2013; 27 (6): 699-707
- **A migration-based approach towards resource-efficient wireless structural health monitoring** *ADVANCED ENGINEERING INFORMATICS*
Smarsly, K., Law, K. H.
2013; 27 (4): 625–35
- **An integrated monitoring system for life-cycle management of wind turbines** *SMART STRUCTURES AND SYSTEMS*
Smarsly, K., Hartmann, D., Law, K. H.
2013; 12 (2): 209–33
- **A computational framework for life-cycle management of wind turbines incorporating structural health monitoring** *STRUCTURAL HEALTH MONITORING-AN INTERNATIONAL JOURNAL*
Smarsly, K., Hartmann, D., Law, K. H.
2013; 12 (4): 359–76
- **Electromagnetic energy harvester with repulsively stacked multilayer magnets for low frequency vibrations** *SMART MATERIALS AND STRUCTURES*
Kwon, S., Park, J., Law, K.
2013; 22 (5)
- **An Information Reporting Web Service Framework for Integration of Gate-to-Gate Process-to-Energy Metrics**
Lewis, J. M., Peng, M., Law, K., H.
2013
- **Asynchronous phase shifted electromagnetic energy harvester** *Conference on Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems*
Park, J., Kwon, S., Law, K. H.
SPIE-INT SOC OPTICAL ENGINEERING.2013
- **Wind Farm Power Maximization Based On A Cooperative Static Game Approach** *Conference on Active and Passive Smart Structures and Integrated Systems*
Park, J., Kwon, S., Law, K. H.
SPIE-INT SOC OPTICAL ENGINEERING.2013
- **An Information Reporting Web Service Framework for Integration of Gate-to-Gate Process-to-Energy Metrics** *IFIP-Working-Group-5.7 International Conference on Advances in Production Management Systems (APMS)*
McGibbney, L. J., Peng, M., Law, K.
SPRINGER-VERLAG BERLIN.2013: 281–288
- **Integration of Energy Information for Product Assembly and Logistics Processes** *IFIP-Working-Group-5.7 International Conference on Advances in Production Management Systems (APMS)*
Feng, S., Kumaraguru, S., Law, K., Ahn, K.
SPRINGER-VERLAG BERLIN.2013: 310–317
- **A Cyberinfrastructure for Integrated Monitoring and Life-Cycle Management of Wind Turbines**
Smarsly, K., Law, K., H., Hartmann, D.
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- **A Bayesian Optimization Approach For Wind Farm Monitoring and Power Maximization**
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2013
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Feng, S., C., Kumaraguru, S., Law, K., Ahn, K., Ivezic, N., Kulvantunyou, B.
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- **A Migration-based Approach Towards Resource-Efficient Wireless Structural Health Monitoring** *Advanced Engineering Informatics*

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- **A Computational Framework for Life-Cycle Management of Wind Turbines incorporating Structural Health Monitoring** *Structural Health Monitoring - An International Journal*
Smarsly, K., Hartmann, D., Law, K., H.
2013; 4 (12): 359-376
 - **Wind Farm Power Maximization Based On A Cooperative Static Game Approach**
Park, J., Kwon, S., Law, K., H.
2013
 - **Multivariate Analysis and Prediction of Wind Turbine Response to Varying Wind Field Characteristics based on Machine Learning**
Park, J., Smarsly, K., Law, K., H., Hartmann, D.
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 - **Advanced Structural Health Monitoring based on Multi-Agent Technology** *Computation for Humanity: Information Technology to Advance Society.*
Smarsly, K., Law, K., H.
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Boca Raton, FL, USA: Taylor & Francis Group.2013: 95–126
 - **An Integrated Monitoring System for Life-Cycle Management of Wind Turbines** *Smart Structures and Systems*
Smarsly, K., Hartmann, D., Law, K., H.
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 - **Asynchronous Phase Shifted Electromagnetic Energy Harvester**
Park, J., Kwon, S., Law, K., H.
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 - **Application of incremental Gaussian mixture models for characterization of wind field data**
Park, J., Kwon, S., Law, K., H.
2013
 - **Mining information across multiple domains: A case study of application to patent laws and regulations in biotechnology** *GOVERNMENT INFORMATION QUARTERLY*
Yu, H., Taduri, S., Kesan, J., Lau, G., Law, K. H.
2012; 29 (1): S11-S21
 - **REGNET: Regulatory Information Management, Compliance and Analysis**
Law, K., H., Lau, G.
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 - **Power Evaluation for Flutter-based Electromagnetic Energy Harvester using CFD Simulations**
Park, J., Morgenthal, G., Kwon, S., Law, K., H.
2012
 - **Modeling Social Groups and Roles in Egress Simulation**
Chu, M., L., Law, K., H.
2012
 - **An Autonomous Landslide Monitoring System based on Wireless Sensor Networks**
Georgieva, K., Smarsly, K., König, M., Law, K., H.
2012
 - **A Patent System Ontology for Facilitating Retrieval of Patent Related Information**
Taduri, S., Lau, G., T., Law, K., H., Kesan, J., P.
2012
 - **Retrieving Information Across Multiple, Related Domains Based on User Query and Feedback: Application to Patent Laws and Regulations** *Government Information Quarterly*

- Yu, H., Taduri, S., Kesan, J., P., Lau, G., T., Law, K., H.
2012; 29 (1): S11-S21
- **A Multiagent-Based Collaborative Framework for a Self-Managing Structural Health Monitoring System** *ASCE Journal of Computing in Civil Engineering*
Smarsly, K., Law, K., H., Hartmann, D.
2012; 1 (26): 76-89
 - **Monitoring of Slope Movements coupling Autonomous Wireless Sensor Networks and Web Services**
Smarsly, K., Georgieva, K., König, M., Law, K., H.
2012
 - **Structural Health Monitoring of Wind Turbines Observed by Autonomous Software Components - 2nd Level Monitoring**
Smarsly, K., Hartmann, D., Law, K., H.
2012
 - **Bayesian Model Updating Approach for Systematic Damage Detection of Plate Type Structures**
Kurata, M., Lynch, J., P., Law, K., H., Salvino, L., M.
2012
 - **An Aero-elastic Flutter Based Electromagnetic Energy Harvester with Wind Speed Augmenting Funnel**
Park, J., Kim, K., Kwon, S., Law, K., H.
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 - **Multiagent-Based Collaborative Framework for a Self-Managing Structural Health Monitoring System** *JOURNAL OF COMPUTING IN CIVIL ENGINEERING*
Smarsly, K., Law, K. H., Hartmann, D.
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 - **Hybrid wireless hull monitoring system for naval combat vessels** *STRUCTURE AND INFRASTRUCTURE ENGINEERING*
Swartz, R. A., Zimmerman, A. T., Lynch, J. P., Rosario, J., Brady, T., Salvino, L., Law, K. H.
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