



•Field A.I. Algorithm

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Education background

- Ph.D. in Computer Engineering, University of Texas at Austin
- M.S. in Computer Engineering, University of Texas at Austin
- B.S. in Computer Engineering, University of Maryland University College,

Major careers

- 2022 Key Industry Sector Planning Committee for Industry and Energy Convergence Source Technology, Ministry of Trade
- 2020~2021 Associate Professor, Sehan University
- 2018~2021 Expert at National Open Data Committee, Ministry of the Interior and Safety
- 2018~2020 Associate Professor, Cha University
- 2014~2018 Assistant Professor, Seoul Women's University
- 2012 , 2013 Expert Committee at Industry and Energy 2013 SW-SOC Commercialization Project, Ministry of Trade
- 2011 Key Industry Sector Planning Committee for Industry and Energy Convergence Source Technology, Ministry of Trade
- 2004~2006 University of Delaware in conjunction with NASA NRC Associateship
- 1999~2001 Software Engineer, Cisco Systems, Inc.
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■ Journals (Highlighted):

H. Rho and T. Jeong, " "In-Silico Investigation and Intelligence Analysis of Particulate Matter and Pro-Oxidant-Antioxidant Balance, " IJPH, Ira. J. Public Health, vol. 53, no. 4, Apr 2024 [SCIE, SSCI]

H. Rho and T. Jeong, " "In-Depth Investigation of Biological Association for Particulate Matter on Systemic Stress Biomarkers" IJPH, Ira. J. Public Health, vol. 53, no. 2, Jan 2024 [SCIE, SSCI]

S. Kim, S. Yoo, and T. Jeong, " "Cross Relative User-Interfaces Design and Enterprise Business Decision System," PPBRI, vol. 14, no. 1, pp. 39-54, Oct 2023

W. So and T. Jeong, " "Resilience Effect and Association Analysis between Sleep Duration and Body Mass Index," IJPH, Ira. J. Public Health, vol. 52, no. 9, Sep 2023 [SCIE, SSCI]

B. Noh, T. Lin, S. Lee and T. Jeong, " "Deep Learning and Geometry Flow Vector using Estimating Vehicle Cuboid Technology in a Monovision Environment," Sensors, vol. 23, no. 18, Sep 2023 [SCIE]

Y. Jeong, T. Jeong, and S. Jang, " "Validation of Basic Psychological Needs Scale in terms of Autonomy and Competence," IJPH, Ira. J. Public Health, vol. 52, no. 7, July 2023 [SCIE, SSCI]

M. Kim, S. Lee, and T. Jeong, "Time Series Prediction Methodology and Ensemble Model Using Real-World Data," Electronics, June 2023 [SCIE]

M. Park, S. Oh, T. Jeong, and S. Yu, "Multi-Stage Temporal Convolutional Network with Moment Loss and Positional Encoding for Surgical Phase

Recognition," Diagnostics, Dec 2022 [SCIE]

S. Lee, and T. Jeong, "Large-Scale Distributed System and Design Methodology for Real-Time Cluster Services and Environments," Electronics, Dec 2022 [SCIE]

H. Jabbar, T. Jeong, "Ambient Light Energy Harvesting and Numerical Modeling of Non-Linear Phenomena," Applied Science, Feb 2022 [SCIE]

T. Jeong, W. Lee, "Deep Learning Model and Correlation Analysis by User Object Layering of a Social Network Service," Symmetry, MDPI, June 2021 [SCIE]

S. Y. Jang, W. Y. So, and T. Jeong, "Intelligent system of training data sets for current reported normality levels and physical fitness analysis," Scienc & Sports, Elsevier, Mar 2021, [SCIE]

T. Jeong, "Time-series Data Classification and Analysis associated with Machine Learning Algorithms for Cognitive Perception and Phenomenon," IEEE Access, Sep 2020, [SCIE]

T. Jeong, "Deep Neural Network Algorithm on Feedback Model with Behavioral Intelligence and Context aware Data, Symmetry, MDPI, Sep 2020 [SCIE]

S. Lee, and T. Jeong, `` Forecast Purpose Data Analysis and Methodology Comparison of Neural Network Perspective, `` Symmetry, MDPI, July 2017 [SCIE]

Y. Song, and T. Jeong, `` Electromagnetic Characterization of a Computational Asymmetric Analysis for Wireless Network, `` Measurement, Elsevier, May 2016 [SCIE]

Choi, and T. Jeong, `` Multimedia Data Delivery Table and Improving Transfer Time On Mobile Handhelds, `` IET Science, Measurement and Technology, May 2015 [SCI]

T. Jeong, `` Design and Modeling of Sensor Behavior for Improving Sensitivity and Performance, `` Microsystem Technologies, Springer, Oct, 2016 [SCIE]

S. Lee, and T. Jeong, `` Cloud-based Parameter-driven Statistical Services and Resource Allocation in a Heterogeneous Platform on Enterprise Environment, `` Symmetry, MDPI, Dec 2016 [SCIE]

T. Jeong, `` Theoretical and Linearity Analysis for Pressure Sensors and Communication System Development, `` IJDSN, SAGE, Sep. 2015 [SCIE]

T. Jeong, Specialized Sensor and System Modeling for Safety-Critical Application, `` Journal of Electrical Engineering Technology IEEK, May 2016 [SCIE]

Y. Lee, K. Lee and T. Jeong, `` A Compact Low-Power Shunt Proximity Touch Sensor and Readout for Haptic Function, `` Journal of Semiconductor and Technology System, Sep 2016 [SCIE]

S. Lee, Y. Chung, and T. Jeong, `` CPU-GPU Hybrid Computing for Feature Extraction from Video Stream, `` IEICE Electronic Express, Oct 2015 [SCIE]

E. Choi, W. So, and T. Jeong, `` Association between Alcohol Consumption and Academic Achievement: A Cross-Section Study, `` Cent. Eur. Jour. of Public Health, Dec 2016 [SSCI]

E. Choi, W. So, and T. Jeong, `` Effect of Workout and Meditation Phenomenon Program on Body Composition, Flexibility, and Blood Pressure Data Analysis, `` Iran Jour. of Public Health, Sep 2016 [SSCI]

G. Park, S. Lee, and T. Jeong, Y. Song, `` Green Nanocomposites Filled with Spent Coffee Grounds, `` Journal of Applied Polymer Science, Wiley, Sep 2014 [SCI]

E. Choi, W. So, and T. Jeong, `` Effectiveness of a 12-week Program of Combined Exercise in Reducing Visceral Fat as Measured by Computed Tomography Imaging, `` Iran Jour. of Public Health, May 2016 [SSCI]

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E. Choi, W. So, and T. Jeong, `` Effects of a 16-week Combined Exercise Program on Isometric Ankle Strength and Gait Velocity in a Selected Sample of Girls, `` Iran Jour. of Public Health, May 2015 [SCI]

T. Jeong, ``Energy Harvesting System Design through Bluetooth Environment for Smart Phone,`` IET Science, Measurement and Technology, ISSN: 1751-8822, (Corresponding author) Jan 2013, May 2014 [SCI]

I. Choi, G. Park, J. Hwang, and T. Jeong, ``Audio/Video Delivery Table and Improving Transfer Time on T-DMB Data Service, `` IET Science, Measurement and Technology, ISSN: 1751-8822, (Corresponding author) July 2013, Dec 2014 [SSCI]

H. Jabbar, S. Lee, K. Hur, and T. Jeong, `` Energy Harvesting Technique by using Novel Voltage Multiplier Circuits and Passive Devices, `` IEICE Transactions on Electronics, ISSN: 1745-1353, (Corresponding author) May 2013 [SCI]

S. Baek, and T. Jeong, (8 people)`` Novel Binary Tree Huffman Decoding Algorithm and FPGA Implementation for T-DMB Mobile Handheld,`` IET Science, Measurement and Technology, ISSN: 1751-8822, (Corresponding author) Nov. 2012 [SCI]

H. Jabbar, Y. Song, and T. Jeong, ``RF Energy Harvesting System and Circuits for Charging of Mobile Devices, `` IEEE Transaction on Consumer Electronics, ISSN: 0098-3063, (Corresponding author) Jan 2010. [SCI]

T. Jeong, ``Implementation of Low Power Adder Design and Analysis based on Power Reduction Technique, `` Microelectronics Journal, Elsevier, ISSN: 0026-2692, (1stAuthor)Nov.2008[SCI]

T. Jeong, ``A Circuit-Level Design for Safety-critical Applications using Dynamic Multi-Threshold Voltage Circuits, `` IETE Technical Review, ISSN: 0256-4602, (1stAuthor) Feb.2010[SCIE]

J. Lee and T. Jeong, ``Simultaneous Intrinsic and Extrinsic Parameter Identification of a Hand-Mounted Laser-Vision Sensor, `` Sensors, MDPI, ISSN: 1424-8220, (Corresponding author) Sep. 2011 [SCIE]

J. Lee and T. Jeong, ``A Novel Sensing Method and Sensing Algorithm Development for a Ubiquitous Network, `` Sensors, MDPI, ISSN: 1424-8220, (Corresponding author) Sep. 2010 [SCIE]

M. Han, D. Lie, and T. Jeong, ``Adaptive Security Model in Real-time Intrusion Detection Environments, `` Information-International Interdisciplinary Journal, ISSN: 1343-4500, (Corresponding author) Apr. 2011 [SCIE]

M. Han, J. Kim, and T. Jeong, "Generic Feature Selection in Intrusion Detection System," Information-International Interdisciplinary Journal, ISSN: 1343-4500, (Corresponding author) Dec. 2011 [SCIE]

B. Hieu and T. Jeong, "A Real-time Remote Sensing and Data Acquisition System for a Nuclear Power Plant," Nuclear Engineering and Technology, ISSN: 1743-5733, (Corresponding author) Apr. 2011 [SCIE]

S. Baek, and T. Jeong, "Mobility Model of People on Requirement-based Design in Mobile Wireless Network," Journal of Internet Technology, ISSN: 1607-9264 (Corresponding author) Sep. 2011 [SCIE]

B. Hieu, S. Baek, and T. Jeong, "Wireless Transmission of Acoustic Emission Signals for Real-time Monitoring of Leakage in Underground Pipes," KSCE Journal, ISSN: 0231-2322, (Corresponding author) May 2011 [SCIE]

Y. Song, H. Oh, T. Jeong and J. Yoon, "A Novel Manufacturing Method of Carbon Nanotube Aramid Fiber Filled Hybrid Multi-Component Composites," Advanced Composite Materials, ISSN: 0026-2692, (Co-author) Dec. 2008 [SCI]

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Y. Song and T. Jeong, "An Accurate Thermal Characteristics and Measurement of Nanoscale Materials," IEEE International Computational Conference of Science Architecture (ICCSA'06) also held in Lecture Notes in Computer Science, Springer, (Corresponding author) Mar 2006 [SCIE]