Qiao, D., Pang, G.K.H.  
**A Modified Differential Evolution with Heuristic Algorithm for Nonconvex Optimization on Sensor Network Localization**  

Tsang, C.S.C., Ngan, H.Y.T., Pang, G.K.H.  
**Fabric inspection based on the Elo rating method**  

Wu, T.H., Kwong, E.W.-Y., Pang, G.K.-H.  
**Bio-medical application on predicting systolic blood pressure using neural networks**  

Wu, T.H., Pang, G.K.H., Choy, K.L., Lam, H.Y.  
**An optimization model for a battery swapping station in Hong Kong**  

**An intelligent battery information management system to support information sharing and vehicle routing planning for battery distribution in Hong Kong**  

Chan, V., Wu, T.H., Pang, G.  
**Design intelligence of web application for Internet direct consumer-to-consumer trading**  
Pang, G.K.-H., Kwong, E.
**Considerations and design on apps for elderly with mild-to-moderate dementia**

**A decision support system for optimizing dynamic courier routing operations**

Qiao, D., Pang, G.K.H.
**Non-convex model for sensor network localization based on connectivity**

Wu, T.H., Pang, G.K.-H., Kwong, E.W.-Y.
**Predicting systolic blood pressure using machine learning**

**A RFID-based recursive process mining system for quality assurance in the garment industry**

Qiao, D., Pang, G.K.H.
**Evolutionary approach on connectivity-based sensor network localization**

Lin, C., Choy, K.-L., Pang, G., Ng, M.T.W.
**A data mining and optimization-based real-time mobile intelligent routing system for city logistics**
Pang, G.K.H., Choy, K.L.
Particle filter for targets tracking with motion model
(2013) 2013 IEEE 8th International Conference on Industrial and Information Systems, ICIIS 2013 -
Conference Proceedings, art. no. 6731968, pp. 128-132.

Zhao, W., Pang, G.K.H., Wong, N.
Automatic adaptive multi-point moment matching for descriptor system model order reduction
6533818, .

Hou, Y.-L., Pang, G.K.H.
Multicue-based crowd segmentation using appearance and motion
369.

Qiao, D., Pang, G.K.H.
Accuracy improvement of connectivity-based sensor network localization
Greener Future, CCECE 2012, art. no. 6334914, .

Wang, Y., Liu, H., Pang, G.K.H., Wong, N.
An operational matrix-based algorithm for simulating linear and fractional differential circuits

Pang, G.K.H.
Health monitoring of elderly in independent and assisted living
(2012) 2012 International Conference on Biomedical Engineering, ICoBE 2012, art. no. 6178978, pp. 553-
556.

Wang, Y., Zhang, Z., Koh, C.-K., Shi, G., Pang, G.K.H., Wong, N.
Passivity enforcement for descriptor systems via matrix pencil perturbation
6171054, pp. 532-545.
Wang, Y., Hu, X., Cheng, C.-K., Pang, G.K.H., Wong, N.


Wang, Y., Hu, X., Cheng, C.-K., Pang, G.K.H., Wong, N.

A realistic early-stage power grid verification algorithm based on hierarchical constraints

Hou, Y.-L., Pang, G.K.H.

Crowd segmentation based on fusion of appearance and motion features

Qiao, D., Pang, G.K.H.

Solutions for connectivity-based sensor network localization

Qiao, D., Pang, G.K.H.

An iteratively Reweighted Least Square algorithm for RSS-based sensor network localization

Qiao, D., Pang, G.K.H.

Two-range connectivity-based sensor network localization
Qiao, D., Pang, G.K.H.
*Localization in wireless sensor networks with gradient descent*

Hou, Y.-L., Pang, G.K.H.
*Multi-cue-based crowd segmentation in stereo vision*

Hou, Y.-L., Pang, G.K.H.
*Multi-cue based crowd segmentation*

Pang, G.K.H., Qiao, D.
*Iontophoretic drug delivery models*

Ngan, H.Y.T., Pang, G.K.H., Yung, N.H.C.
*Automated fabric defect detection-A review*

*More realistic power grid verification based on hierarchical current and power constraints*

Hou, Y.-L., Pang, G.K.H.
*People counting and human detection in a challenging situation*
Wang, Y., Zhang, Z., Koh, C.-K., Pang, G.K.H., Wong, N.  
**PEDS: Passivity enforcement for descriptor systems via Hamiltonian-symplectic matrix pencil perturbation**  

Hou, Y.-L., Pang, G.K.H.  
**Human detection in crowded scenes**  

Zhou, H., Pang, G.K.H.  
**Metadata extraction and organization for intelligent video surveillance system**  

Wang, Y., Lei, C.-U., Pang, G.K.H., Wong, N.  
**MFTI: Matrix-format tangential interpolation for modeling multi-port systems**  

Ngan, H.Y.T., Pang, G.K.H., Yung, N.H.C.  
**Ellipsoidal decision regions for motif-based patterned fabric defect detection**  

Ngan, H.Y.T., Pang, G.K.H., Yung, N.H.C.  
**Performance evaluation for motif-based patterned texture defect detection**  

Pang, G.K.H., Chu, M.-H.  
**Automated optical inspection of solder paste based on 2.5D visual images**  
Pang, G.K.H., Qiao, D.
Skin impedance models for transdermal drug delivery

Qiao, D., Pang, G.K.H., Mui, M.-K., Lam, D.C.C.
A single-axis low-cost accelerometer fabricated using printed-circuit-board techniques

Hui, T.-W., Pang, G.K.-H.

Hui, T.-W., Pang, G.K.-H.
Solder paste inspection using region-based defect detection

Hou, Y.-L., Pang, G.K.H.
Human detection in a challenging situation

Ngan, H.Y.T., Pang, G.K.H.
Regularity analysis for patterned texture inspection
(2009) IEEE Transactions on Automation Science and Engineering, 6 (1), art. no. 4483674, pp. 131-144.

Pang, G.K.H., Chu, M.-H.
Automated inspection of solder paste by directional LED lighting
Hou, Y.-L., Pang, G.K.H.
Automated people counting at a mass site

Qiao, D., Pang, G.K.H., Kit, M.M., Lam, D.C.C.
A new PCB-based low-cost accelerometer for human motion sensing

Lam, D.C.C., Lee, Y.H., Shek, K.T., Pang, G.
Puncture depth and the mechanical stability of microneedles

Hui, T.-W., Pang, G.K.-H.
3-D measurement of solder paste using two-step phase shift profilometry

Ngan, H.Y.T., Pang, G.K.H., Yung, N.H.C.
Motif-based defect detection for patterned fabric

Pang, G., Chu, M.-H.
Route selection for vehicle navigation and control
(2007) IEEE International Conference on Industrial Informatics (INDIN), 2, art. no. 4384857, pp. 693-698.

Pang, G., Chu, M.-H.
Route selection for vehicle navigation and control
Pang, G., Chu, M.-H.
Personalised route selection system in vehicle navigation based on neural-fuzzy technologies

Ngan, H.Y.T., Pang, G.K.H., Yung, N.H.C.
Patterned fabric defect detection using a motif-based approach

Hui, T.-W., Pang, G.K.H.
3D profile reconstruction of solder paste based on phase shift profilometry
(2007) IEEE International Conference on Industrial Informatics (INDIN), 1, art. no. 4384750, pp. 165-170.

Chu, M.-H., Pang, G.K.H.
Solder paste inspection by special led lighting for SMT manufacturing of printed circuit boards

Ngan, H.Y.T., Pang, G.K.H.
Novel method for patterned fabric inspection using Bollinger bands
(2006) Optical Engineering, 45 (8), art. no. 087202, .

Yang, X., Gao, J., Pang, G., Yung, N.
Textile defect classification using discriminative wavelet frames
o. 1635053, pp. 54-58.

Yang, X., Pang, G., Yung, N.
Robust fabric defect detection and classification using multiple adaptive wavelets

Ngan, H.Y.T., Pang, G.K.H., Yung, S.P., Ng, M.K.
Wavelet based methods on patterned fabric defect detection
Pang, G.
Information technology based on visible leds for optical wireless communications

Pang, G., Yang, X.
Minimum classification error-based neural network for inspection of fabric defects

Lee, T.-C., Pang, G.
Defect detection on fabrics by matched filters

Yang, X., Pang, G., Yung, N.
Discriminative training approaches to fabric defect classification based on wavelet transform

Ngan, H.Y.T., Pang, G.K.H., Yung, S.P., Ng, M.K.
Defect detection on patterned jacquard fabric

Fung, G.S.K., Yung, N.H.C., Pang, G.K.H.
Camera calibration from road lane markings

Liu, H.S., Pang, G.
Positioning beacon system using digital camera and LEDs

Yang, X.Z., Pang, G.K.H., Yung, N.H.C.
Discriminative fabric defect detection using adaptive wavelets
Chu, S.K.-K., Pang, G.K.-H.
**Comparison between different model of hexapod robot in fault-tolerant gait**

Kumar, A., Pang, G.K.H.
**Defect detection in textured materials using optimized filters**

Pang, G.K.H., Takahashi, K., Yokota, T., Takenaga, H.
**Intelligent route selection for in-vehicle navigation systems**

Fung, G.S.K., Yung, N.H.C., Pang, G.K.H., Lai, A.H.S.
**Effective moving cast shadow detection for monocular color traffic image sequences**

Kumar, A., Pang, G.K.H.
**Defect detection in textured materials using Gabor filters**

Yang, X., Pang, G., Yung, N.
**Fabric defect classification using wavelet frames and minimum classification error training**

Pang, G., Kwan, T., Liu, H., Chan, C.-H.
**LED wireless**

Fung, G.S.K., Yung, N.H.C., Pang, G.K.H., Lai, A.H.S.
**Towards detection of moving cast shadows for visual traffic surveillance**
Zhi, Y.X., Pang, G.K.H., Yung, N.H.C.
Fabric defect detection using adaptive wavelet

Pang, G.K.H., Liu, H.H.S.
LED Location Beacon System Based on Processing of Digital Images

Liu, H.H.S., Pang, G.K.H.
Accelerometer for mobile robot positioning

Pang, G.K.H., Chan, C.-H., Kwan, T.T.O.
Tricolor light-emitting diode dot matrix display system with audio output

Pang, G., Liu, H.
Evaluation of a low-cost MEMS accelerometer for distance measurement

Pang, G., Poon, G.
A portable multimedia information device in a wireless optical data link

Kumar, A., Pang, G.
Identification of surface defects in textured materials using wavelet packets

Fung, G.S.K., Yung, N.H.C., Pang, G.K.H., Lai, A.H.S.
Effective moving cast shadow detection for monocular color image sequences
Fung, G.S.K., Yung, N.H.C., Pang, G.K.H.

Vehicle shape approximation from motion for visual traffic surveillance