List of Publications
Jan 2010 to Apr 2010

Department: ELECTRICAL & COMPUTER ENGINEERING

Journal Tiering: UNIVERSITY

ARTICLE IN JOURNAL

INTERNATIONAL REFEREED

TIER 1 - PREMIUM

PUBLISHED


23. CHENG, R, "Carrier Transport in Strained P-MOSFETS with Diamondlike Carbon Liner Stressor". 

24. KHOO, B T and B Veeravalli, "Pro-active failure handling mechanisms for scheduling in grid 
   computing environments.". 

25. THUM, C K, C Du, B M Chen, E H Ong and K P Tan, "A unified control scheme for combined 
   seeking and track-following of a hard disk drive servo system". 

26. HU, Z and C K Tham, "CCMAC: Coordinated Cooperative MAC for Wireless LANs". 

27. WANG, B H, H T HUI* and M S Leong, "Global and fast receiver antenna selection for MIMO 
   systems". 
   2505-2510. (United States).

28. WANG, B H, H T HUI* and M S Leong, "Decoupled 2D direction of arrival estimation using 
   compact uniform circular arrays in the presence of elevation-dependent mutual coupling". 
   747-755. (United States).

29. YANG, J, J HU, C YU*, YK Yeo and Y Wang, "Multi-Channel 80-GHz Pulse Train Generation 
   Based on Optical Parametric Process". 

30. Tay*, A, HT Chua, Y WANG and Y S NGO, "Equipment design and control of advanced 
    thermal processing module in lithography". 
    *IEEE TRANSACTIONS ON INDUSTRIAL 

    interference channel and learning-throughput tradeoff". 

32. ZHANG, C, S W TONG, CY Jiang, E T Kang*, D S H Chan and Chunxiang Zhu*, "Origin of 
    Different Dependences of Open-Circuit Voltage on the Electrodes in Layered and Bulk 
    Hetero junction Organic Photovoltaic Cells". 
    *IEEE TRANSACTIONS ON ELECTRON 

33. PHUNG, T H, R XIE, S Tripathy, MB Yu and Chunxiang Zhu*, "Low Temperature Metal Induced 
    Lateral Crystallization of Ge Using Germanide Forming Metals". 
    *JOURNAL OF THE 

34. Yeo*, S P and J Yao, "Using Monte Carlo approach to study effects of power measurement 
    uncertainties on six-port reflectometer performance". 
    *MEASUREMENT SCIENCE & 
    TECHNOLOGY*, 21, no. 2 (2010). (United Kingdom).

35. ZHONG*, Y, X CHEN and K AGARWAL, "An Improved Subspace-based Optimization Method 
    and its Implementation in Solving Three-dimensional Inverse Problems". 
    (United States).


41. YUN, J, R WANG, W K Choi, JTL Thong, CV Thompson, M ZHU, YL Foo and MH Hong, "Field emission from a large area of vertically-aligned carbon nanofibers with nanoscale tips and controlled spatial geometry". CARBON, 48 (2010): 1362-1368. (United States).


ACCEPTED FOR PUBLICATION


SUBMITTED FOR PUBLICATION


73. LIN, J, H J OH, W YANG, G Q Lo and S J Lee*, "Performance Improvement of Inversion-Mode In0.53Ga0.47As n-MOSFET by Plasma PH3 Passivation for High-k Integration on In0.53Ga0.47As Substrate". IEEE TRANSACTIONS ON ELECTRON DEVICES, (2010). (United States).


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<th>Page</th>
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<tbody>
<tr>
<td>82.</td>
<td>Liu, F and H LIN*, &quot;Bisimilarity control of partially observed nondeterministic discrete event systems and a test algorithm&quot;. AUTOMATICA, (2010). (United States).</td>
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**TIER 2 - LEADING**

**PUBLISHED**

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<th>Page</th>
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136. DENG, H, D Srinivasan* and R Oruganti, "B-spline Network Based Neural Controller for Power Electronics Application". NEUROCOMPUTING, 73, no. 4-6 (2010): 593-601. (Netherlands).


ACCEPTED FOR PUBLICATION


142. CHEN*, M, S S Ge* and B REN, "Robust Attitude Control of Helicopters with Actuator Dynamics Using Neural Networks". IET Control Theory & Applications, (2010). (United States).

SUBMITTED FOR PUBLICATION


TIER 3 - REPUTABLE

PUBLISHED


Liu, Wei, K S TEH, R L PEIRIS, Yongsoon Choi and A D CHEOK*, "Internet-Enabled User Interfaces for Distance Learning". Personal and Ubiquitous Computing, (2010). (United Kingdom).


ACCEPTED FOR PUBLICATION


TIER 4 - OTHERS

PUBLISHED


ACCEP TED FOR PUBLICATION


<table>
<thead>
<tr>
<th>No.</th>
<th>Author(s)</th>
<th>Title</th>
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<th>Year</th>
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<tr>
<td>202.</td>
<td>CABIBIHAN*, J.J., P RADITYA and S S Ge</td>
<td>Prosthetic finger phalanges with lifelike skin compliance for low-force social touching interactions</td>
<td>NEUROREHABILITATION</td>
<td>2010</td>
<td>Ireland</td>
</tr>
<tr>
<td>203.</td>
<td>Luo, Z., I.M. Chen, Y.S. Lee and HBL DUH*</td>
<td>Performance of Moving Objects in Virtual Environments: The Use of Wii Remote and Arm Suit to Track Three Degrees of Freedom Translation</td>
<td>Virtual Reality</td>
<td>2010</td>
<td>United Kingdom</td>
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<tr>
<td>204.</td>
<td>Xu*, J X, W WANG* and Y.G. Sun</td>
<td>Two optimization algorithm for solving robotics inverse kinematics with redundancy</td>
<td>Journal of Control Theory and Applications</td>
<td>2010</td>
<td>China</td>
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<td>205.</td>
<td>YUN, B, B M Chen, K Y Lum and T H Lee</td>
<td>Design and implementation of a leader-follower formation flight control system for unmanned helicopters</td>
<td>Journal of Control Theory and Applications</td>
<td>2010</td>
<td>China</td>
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<td>207.</td>
<td>Ling*, Q, M Lemmon and H LIN</td>
<td>Stabilize a quantized nonlinear system in feedforward form by a dynamic quantization policy</td>
<td>Journal of Control Theory and Applications</td>
<td>2010</td>
<td>China</td>
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<td>208.</td>
<td>LEE*, S C and Q-G Wang*</td>
<td>Stabilization conditions for a class of unstable delay processes of higher order</td>
<td>Journal of the Taiwan Institute of Chemical Engineers</td>
<td>2010</td>
<td>Taiwan</td>
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SHORTER ARTICLE/COMMENT IN JOURNAL

INTERNATIONAL REFEREED

TIER 2 - LEADING

PUBLISHED


NOT TIERED

PUBLISHED


ARTICLE REVIEW

PUBLISHED


CONFERENCE PAPER

LOCAL/REGIONAL

ORAL PRESENTATION

PUBLISHED


PRESENTED BUT NOT PUBLISHED


INTERNATIONAL

ORAL PRESENTATION

PUBLISHED


PRESENTED BUT NOT PUBLISHED

77. ZHANG, H, F Stellacci and JTL Thong, "Polymer-protected nanogap devices for DNA sensing and measurement in aqueous solution". 2010 MRS Spring Meeting (5 - 9 Apr 2010, San Francisco Marriott, San Francisco, United States)


80. Tomitaka*, A., H. Kobayashi, T. Yamada, M JEUN, S Bae* and Y. Takemura, "Magnetic characterization and self-heating of various magnetic nanoparticles for medical applications". IEEE International NanoElectronics Conference (3 - 8 Jan 2010, City University of Hong Kong, Hong Kong, China)

81. ZENG, D, K. W. Chung and S Bae*, "Thermomigration-induced magnetic degradation of CPP and CCP GMR spin-valve read sensors operating at". 11th Intermag-MMM Joint Conference (18 - 22 Jan 2010, Wardmark Marriot Hotel, Washington D.C., United States)


ACCEPTED FOR PUBLICATION


85. KOH*, S M, C M Ng, P Liu, Z Mo, X Wang, H Zheng, Z Zhao, N Variam, T Henry, Y Erokhin, G S Samudra* and Y C Yeo*, "Schottky Barrier Height Modulation with Aluminum Segregation and Pulsed Laser Anneal: A Route for Contact Resistance Reduction". 10th International Workshop on Junction Technology (, Fuxuan Hotel, Fudan University, Shanghai, China)

86. Samudra, G S, "Modeling Si/SiGe fin oxidation to form Self limiting nanostructures". IEEE conference on enabling science and nanotechnology (Invited paper) (, KLCC, Kuala Lumpur, Malaysia)
87. ZHANG, Q, P.Y. Tao, T A ASWIN, B REBSAMEN, C YANG and S S Ge*, "Mission-Oriented Design: A Fully Autonomous Mobile Urban Robot". IEEE Conference on Multisensor Fusion and Integration (, United States)


ACCEPTED FOR PRESENTATION


POSTER PRESENTATION

PUBLISHED


96. JAMMALAMADAKA, S, M S AJEESH and H YANG*, "Resistive switching behavior in magnetic granular multilayers". 4th international workshop on Spin Currents (2010). Sendai: Tohoku Univ.. (4th international workshop on Spin Currents, 8 - 10 Feb 2010, Tohoku Univ., Sendai, Japan)


PRESENTED BUT NOT PUBLISHED

105. HAO, Y, L WANG and JTL Thong, "Clean graphene electrical devices by stencil mask lithography". 2010 MRS Spring Meeting (5 - 9 Apr 2010, San Francisco Marriott, San Francisco, United States)

106. SAIDUR, R B, B WU, GC Han and YH Wu*, "Effect of frozen magnetic flux on the electrical transport characteristics of superconductor-ferromagnet junction". International Conference on Superconductivity and Magnetism (25 - 30 Apr 2010, Ankara University, Antalya, Turkey)


111. NAGANIVETHA*, T, S Bae* and W J HO, "High magnetic and thermal stability of nano-patterned [Co/Pd] based pseudo spin-valves perpendicular". Internmag-MMM joint conference (18 - 22 Jan 2010, Wardmark Marriot Hotel, Washington DC, United States)


ACCEPTED FOR PUBLICATION


ACCEPTED FOR PRESENTATION


PAPER FOR SEMINAR, PUBLIC TALK, LECTURE

INTERNATIONAL

PRESENTED BUT NOT PUBLISHED

1. Bae, S, "Nanomedicine based on Biomagnetics and Biomagentic Materials". Annual Symposium organized by Nano-Core Center (14 - 16 Apr 2010, Nano-Core Center, Dae-Gu, South Korea)

2. Bae, S, "New Diagnosis and Treatment Modalities for brain tumors & neural disease using superparamagentic nanoparticles and AC magnetic systems". Symposium on Nanomedicine (12 - 15 Jan 2010, Ghwan Cheon Goverment Building, Ghwan Cheon City, South Korea)

ACCEPTED FOR PRESENTATION

**BOOK/MONOGRAPH AUTHORED**

**PUBLISHED**


**EDITORIAL WORK ON BOOK**

**PUBLISHED**


**EDITORIAL WORK ON JOURNAL**

**INTERNATIONAL REFEREED**

**TIER 1 - PREMIUM**

**PUBLISHED**


**TIER 2 - LEADING**

**PUBLISHED**


**TIER 3 - REPUTABLE**

**PUBLISHED**

**NOT TIERED**

**PUBLISHED**


[@ - indicates journal classification is based on the proposed classification of the author(s)]

**CHAPTER IN BOOK**

**PUBLISHED**


OTHERS

PUBLISHED


List of Publications
May 2010 to Aug 2010

Department: ELECTRICAL & COMPUTER ENGINEERING
Journal Tiering: UNIVERSITY

ARTICLE IN JOURNAL

INTERNATIONAL REFEREED
TIER 1 - PREMIUM
PUBLISHED


ACCEP TED FOR PUBLICATION


64. SINHA*, M, E F Chor* and Y C Yeo*, "Nickel-silicide contact technology with dual near-band-edge barrier heights and integration in CMOS FinFETs with single mask". IEEE ELECTRON DEVICE LETTERS, 31, no. 8 (2010). (United States).


82. SAIDUR, R B, BL WU, GC Han and YH Wu*, "Probing magnetization reversal process in ferromagnetic disk by superconductor-ferromagnet junction". APPLIED PHYSICS LETTERS, (2010). (United States).


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TIER 2 - LEADING PUBLISHED


134. Lim, Chin Seong, MH Hong*, Z CHEN, N HAN, Boris Lukyanchuk and T C Chong, "Hybrid metamaterial design and fabrication for terahertz resonance response enhancement". Optics Express, 18, no. 12, part. 12421-12429 (2010). (United States).


141. HUI*, H T and X WANG, "Building antenna characteristics into MIMO channel simulation". INTERNATIONAL JOURNAL OF ELECTRONICS, 97, no. 6 (2010): pp.703-714. (United Kingdom).


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164. Kumar, S, SH Ong and K S W Tan, "Robust contour reconstruction of red blood cells and parasites in the automated identification of the stages of malarial infection". *MACHINE VISION AND APPLICATIONS*, (2010). (United States).


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PUBLISHED


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194. HU, J, Z Chen, X Yang, J Ng and C YU*, "100km Long Distance Fiber Bragg Grating Sensor System Based on Erbium Doped Fiber and Raman Amplification". IEEE PHOTONICS TECHNOLOGY LETTERS, (2010). (United States).


SUBMITTED FOR PUBLICATION


TIER 4 - OTHERS

PUBLISHED


201. AKASH, K, "Communication-aware heuristics for run-time task mapping on NoC-based MPSoC platforms". JOURNAL OF SYSTEMS ARCHITECTURE, 56, no. 7 (Special Issue on HW/SW Co-Design: Systems and Networks on Chip) (2010): 242-255. (Netherlands).

ACCEPTED FOR PUBLICATION


NOT TIERED

PUBLISHED


ACCEPTED FOR PUBLICATION


LOCAL/REGIONAL REFEREED

NOT TIERED

PUBLISHED


NON-REFEREED

TIER 4 - OTHERS
PUBLISHED


@ - indicates journal classification is based on the proposed classification of the author(s)

SHORTER ARTICLE/COMMENT IN JOURNAL

INTERNATIONAL REFEREED

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ARTICLE REVIEW

PUBLISHED


CONFERENCE PAPER

LOCAL/REGIONAL
ORAL PRESENTATION

PUBLISHED


SUBMITTED FOR PRESENTATION


INTERNATIONAL

ORAL PRESENTATION

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42. Tan, N, H LIN* and Z Ji, "New results on controllability of multi-agent systems". Proc of the 8th World Congress on Intelligent Control and Automation (2010). USA: IEEE. (The 8th World Congress on Intelligent Control and Automation, 7 - 9 Jul 2010, Jinan, China)


47. LEE*, C, B Li and F HSIAO, "Computational design and characterization of 2-D photonic crystals based hexagonal nano-ring resonators". Proceeding of Intern. Conf. on Technological Advances of Thin Films and Surface Coatings (2010). Harbin: Elsevier. (5th Intern. Conf. on Technological Advances of Thin Films and Surface Coatings, 11 - 14 Jul 2010, Harbin Institute of Technology, Harbin, China)


56. CHEN, M, S S Ge* and R CUI, "Adaptive NN Tracking Control of Overactuated Ocean Surface Vessels". *Proceedings of 8th World Congress on Intelligent Control and Automation* (2010). China: IEEE. (The 8th World Congress on Intelligent Control and Automation, 6 - 9 Jul 2010, Shan Dong, Ji Nan, China)


65. Xu*, J X and D JI, "A feature-based data-driven approach for controller design and tuning". 
Proceedings of 2010 IEEE International Conferences on Cybernetics & Intelligent Systems 
Systems, 28 - 30 Jun 2010, Singapore)

66. Xu*, J X, X DENG* and D JI, "Study on C. elegans behaviors using recurrent neural network model". 
Proceedings of 2010 IEEE International Conferences on Cybernetics & Intelligent Systems 
Systems, 28 - 30 Jun 2010, Singapore)

Forward/Inverse Integer Transform". Proceedings of the 21st Symposium on Rapid System 
Prototyping (2010). New York: IEEE. (The 21st Symposium on Rapid System Prototyping, 8 
- 11 Jun 2010, George Mason University, Fairfax/Virginia, United States)

68. YU*, H, B Veeravalli and Y Ha, "Leakage-Aware Dynamic Scheduling for Real-Time Adaptive 
Applications on Multiprocessor Systems". Proceedings of the 47th Design Automation 
2010, Anaheim Conference Center, Anaheim, CA, United States)

69. CHEN, X and WW Tan*, "A Type-2 Fuzzy Logic Controller for Dynamic Positioning Systems". 
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1013-1018. Singapore: IEEE. (The 8th IEEE International Conference on Control & Automation, 9 - 11 Jun 2010, Asia Gulf Hotel, Xiamen, China)

70. HU, J, Z Chen, X Yang, J Ng and C YU*, "100-km long distance FBG vibration sensor". 
IEEE. (Asia-Pacific Optical Sensors Conference (APOS), 28 - 30 Jun 2010, Dong Fang Hotel, Guangzhou, China)

71. Deng*, Jianguang and P JIRUTITIJAROEN, "Short-Term Load Forecasting Using Time Series 
Analysis: A Case Study for Singapore". 2010 international conference on Cybernetics and 
Intelligent Systems, 28 - 30 Jun 2010, Singapore)

72. ABEYGUNAWARDANE*, S K and P JIRUTITIJAROEN, "A Realistic Maintenance Model Based 
on a New State Diagram". 11th International Conference on Probabilistic Methods Applied to 
Methods Applied to Power Systems, 14 - 17 Jun 2010, Singapore)

73. ORAN*, K, P JIRUTITIJAROEN, S KIM and Jose Prina, "Optimizing Natural Gas Supply and 
Energy Portfolios of a Generation Company". 11th International Conference on Probabilistic 
International Conference on Probabilistic Methods Applied to Power Systems, 14 - 17 Jun 
2010, Grand Copthorn Hotel, Singapore)

74. XIONG*, P and P JIRUTITIJAROEN, "Convergence Acceleration Techniques for the 
Stochastic Unit Commitment Problem". 11th International Conference on Probabilistic 
on Probabilistic Methods Applied to Power Systems, 14 - 17 Jun 2010, Singapore)


96. KARIMADINI, M and H LIN*, "Optimal task automaton decomposabilization for cooperative multiagent systems". Proc. of the 8th International Conference on Control and Automation (2010). USA: IEEE. (Invited paper) (The 8th International Conference on Control and Automation, 9 - 11 Jun 2010, Xiamen, China)


133. VISHAL, S and D Srinivasan, "A Spiking Neural Network Based on Temporal Encoding for Electricity Price Time Series Forecasting in Deregulated Markets". *IEEE International Joint Conference on Neural Networks, World Congress on Computational Intelligence* (2010): 1-7 (IEEE International Joint Conference on Neural Networks, World Congress on Computational Intelligence, 18 - 23 Jul 2010, Barcelona, Spain)


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143. ZHONG*, Y, K AGARWAL and X CHEN, "Subspace-based optimization method with initial guess through a multipole-expansion based linear sampling method". *Progress in Electromagnetics Research Symposium* (5 - 8 Jul 2010, cambridge, MA, United States)


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147. HOOMAN*, A S, O N N FERNANDO* and A D CHEOK, "An Affective Interactive Audio Interface for Lovotics". *ACE 2010: 7th Advances in Computer Entertainment Technology Conference* , (Taipei, Taiwan)

148. ABEYRATHNE*, D, R L PEIRIS, R A N RANASINGHE, O N N FERNANDO* and A D CHEOK, "Food Teleportation System: A digitized food medium for family communication". *ACE 2010: 7th Advances in Computer Entertainment Technology Conference* , (Taipei, Taiwan)


151. PHAM*, T H, Ying Chang Liang*, H K Garg* and Arumugam Nallanathan*, "Joint Channel Estimation and Data Detection for MIMO-OFDM Two-way Relay Networks". IEEE GLOBECOM 2010 (Plenary paper) (United States)


153. DASGUPTA*, S, S K SAHOO, J X Xu and S K Panda, "A Chattering free Lyapunov function based sliding mode controller applied to single phase series connected PV inverter for grid voltage compensation". Annual Conference of the IEEE Industrial Electronics Society (IECON) (United States)


160. LIU*, X, J FENG, S YAN* and H Jin, "Image Segmentation with Patch-Pair Density Priors". ACM Multimedia 2010 (Plenary paper) (Firenze, Italy)

162. CHENG, B, B NI, S YAN* and Q Tian, "Learning to Photograph". ACM Multimedia 2010 (Plenary paper) (, Firenze, Italy)

163. LIU, D, S YAN*, Y Rui and H Zhang, "Unified Tag Analysis with Multi-Edge Graph". ACM Multimedia 2010 (Plenary paper) (, Firenze, Italy)

164. RICHANG*, H, X YUAN, M XU, M Wang, T S Chua and S YAN*, "Movie2Comics: A Feast of Multimedia Artwork". Acm Multimedia 2010 (Plenary paper) (, Firenze, Italy)


166. ZHU, G, S YAN* and Y Ma, "Image Tag Refinement Towards Low-Rank, Content-Tag Prior and Error Sparsity". ACM Multimedia 2010 (Plenary paper) (, Firenze, Italy)

167. TANG*, J, Q CHEN, S YAN*, T S Chua* and R Jain, " One Person Labels One Million Images". ACM Multimedia 2010 (Plenary paper) (, Firenze, Italy)

168. CHEN*, X, Y MU*, S YAN* and T S Chua*, "Efficient Large-Scale Image Annotation by Probabilistic Collaborative Multi-Label Propagation". ACM Multimedia 2010 (Plenary paper) (, Firenze, Italy)


171. DA, H, K T LAM, S* Chin, G S Samudra, Y C Yeo and Gengchiau LIANG*, "Performance evaluation of graphene nanoribbon heterojunction tunneling field effect transistors with various source/drain doping concentration and heterojunction structure". 2010 International Conference on Solid State Devices and Materials (22 - 24 Sep 2010, Tokyo, Japan)


174. CUI, R, S S Ge* and B REN, "Synchronized Tracking Control of Multi-Agent System with Limited Information". The 49th IEEE Conference on Decision and Control (, United States)

175. Ge*, S S, W HE* and C C Hang, "Boundary Control of a Vibrating String under Unknown Time-varying Disturbance". The 49th IEEE Conference on Decision and Control (, United States)

177. VU, T L, S S Ge* and C C Hang, "Non-smooth Lyapunov Function-Based Global Stabilization for 2-Dimensional Quantum Filters". The 49th IEEE Conference on Decision and Control (United States)

178. HANLY, S V, "On Optimal Power Allocation for a Class of Interference Networks". IEEE Globecom (Miami, United States)


183. CABIBIHAN*, J.J. and S S Ge, "Synthetic Finger Phalange with Lifelike Skin Compliance". International Conference on Intelligent Robotics and Applications (10 - 12 Nov 2010, Shanghai, China)


186. YU*, H, Y Ha and B Veeravalli, "Communication-Aware Multi-Application Mapping and Scheduling for NoC-Based MPSoCs". IEEE International Symposium on Circuit and Systems (ISCAS'10) (Paris, France)


189. Sun*, S, X Meng, L Ji, J. Wu and W C Wong, "Adaptive Sensor Data Fusion in Motion Capture". 13th International Conference on Information Fusion (Edinburgh, United Kingdom)

190. Turnip, A, K.S. Hong and S S Ge*, "Backpropagation Neural Networks Training for Single Trial EEG Classification". The 29th Chinese Control Conference (China, Beijing, China)


194. XIONG, W, Y WANG, SH Ong*, JH Lim and J Liu, "Learning cell geometry models for cell image simulation: An unbiased approach". 2010 International Conference on Image Processing (ICIP 2010) (, Hong Kong)

ACCEPTED FOR PRESENTATION

195. Wu*, D R and WW Tan, "Interval Type-2 Fuzzy PI Controllers: Why They Are More Robust". IEEE Conference on Granular Computing (GrC) 2010 (, San Jose State University, Silicon Valley, United States)

196. CHENG*, X and M B A Jalil*, "Size Effect of Embedded Nanocrystals in Floating Gate MOSFET Devices". International Conference on the Physics of Semiconductors (, COEX, Seoul, South Korea)

197. MA*, M, M B A Jalil* and S G TAN, "Generation of fully spin-polarized current in a ferromagnetic single electron transistor with Zeeman split". International Conference on the Physics of Semiconductors (, COEX, Seoul, South Korea)

198. MARTINEZ*, J C, M B A Jalil* and S G TAN*, "Topological zero modes and fractional charge in bilayer graphene". International Conference on the Physics of Semiconductors 2010 (, COEX, Seoul, South Korea)


200. Guo*, Y and Z ZHONG, "Efficient modeling methods on GaAs MESFETs for Ku- and Ka-band power amplifiers (invited)". ISSSE 2010 (, Nanjing, China)


203. AVAZKONANDEH GHARAVOL, E, Y-C Liang and K Mouthaan, "Collaborative Nonlinear Transceiver Optimization in Multi-tier MIMO Cognitive Radio Networks with Deterministically Imperfect CSI". IEEE Global Communication Conference (, Miami, Florida, United States)


206. AVAZKONANDEH GHARAVOL, E, Y-C Liang and K Mouthaan, "Robust Cooperative Nonlinear Transceiver Design in Multi-Party MIMO Cognitive Radio Networks with Stochastic Channel Uncertainty". IEEE 72nd Vehicular Technology Conf. (VTC’10-Fall) (Ottawa, Canada)

207. AVAZKONANDEH GHARAVOL, E, Y-C Liang and K Mouthaan, "Robust Linear Beamforming for MIMO Relay with Imperfect Channel State". IEEE 21st Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC’10) (Istanbul, Turkey)

208. TASLIMI, A and K Mouthaan, "Wideband Tunable Stubs Using Phase Shifters". 2010 IEEE International Conference on Wireless Information Technology and Systems (Honolulu, Hawaii, United States)

209. TANG, X and K Mouthaan, "Loaded-Line Phase Shifter with Enlarged Phase Shift Range and Bandwidth". European Microwave Conference (Paris, France)

SUBMITTED FOR PUBLICATION


211. WONG*, Y F, M Motani and W C Wong, "Discovering Relationships by Keyword Association". Reasoning-Based Intelligent Systems 2010 (18 - 20 Oct 2010, Moscow, Russia)


217. LI, Y, K Buddharaaju, N Singh, G Q Lo and S J Lee*, "Silicon Nanowire Based Thermoelectric Generator Fabricated by Top Down Technology". IEEE IEDM (International Electron Devices Meeting) 2010 (United States)
218. PU*, Y, H. Guo and W C Wong, "Implementation and Evaluation of Mobile Phone Tracking System". IEEE Region 10 Conference (21 - 24 Nov 2010, Fukuoka, Japan)


SUBMITTED FOR PRESENTATION


223. Lim*, S. T., J ZHANG, C. E. Png and A J DANNER, "High-Q 1D photonic nanocavity on ring resonators". Photonics Global 2010 (14 - 16 Dec 2010)

224. XIN, M, C. E. Png and A J DANNER*, "A compact depletion mode silicon modulator based on a photonic hybrid-lattice mode-gap resonator". SPIE Photonics West: 1 (22 - 27 Jan 2010, Moscone Center, San Francisco/California, United States)

225. AJEESH, M S, S N Jammalamadaka, G KALON, C S BHATIA and H YANG, "Spin dependent resistive switching in Co/Al2O3 multilayers". MMM 2010 (Atlanta, Atlanta/Georgia, United States)

POSTER PRESENTATION

PUBLISHED


240. CHEN, Q, S YAN* and T Ng, "Factorization Towards a Classifier". *CVPR* (2010). N/A: N/A. (CVPR 2010, 13 - 18 Jun 2010, San Francisco, United States)


PRESENTED BUT NOT PUBLISHED


HAO, Y and JTL Thong, "Probing layer number and stacking order of few-layer graphene by Raman spectroscopy and electrical transport measurement". 2010 MRS Spring Meeting (5 - 9 Apr 2010, San Francisco Marriott, San Francisco, United States)

Ye, J. D., S. T. Tan, P SOMASUNTHARAM, X. W. Sun, G. Q. Lo and K L Teo*, "Modification of growth kinetics and surface potential by arsenic surfactant on ZnO (0001) surface". International Conference on the Physics of Semiconductors (25 - 30 Jul 2010, COEX, SEOUL, South Korea)


ACCEPTED FOR PUBLICATION


RICHANG*, H, M Wang, X YUAN, S YAN* and T S Chua*, "Movie2Comics: Explore Diverse Presentation through Turning Movie to Comics". ACM Multimedia 2010 (, Firenze, Italy)

XU*, M, X YUAN, J Shen and S YAN*, "Cast2Face: Character Identification in Movie with Actor-Character Correspondence". ACM Multimeida 2010 (, Firenze, Italy)

FERNANDO*, O N N, Michael Cohen and A D CHEOK, "Multipresence-Enabled Mobile Spatial Audio Interfaces". ICEC 2010: 9th International Conference on Entertainment Computing ( 8 - 11 Sep 2010, COEX, Seoul, South Korea)

MU*, Y, J SUN, T Han, L F Cheong and S YAN*, "Randomized Locality Sensitive Vocabularies for Bag-of-Features Model". ECCV 2010 (, Crete, Grete, Greece)
265. NIU, T and M Palaniapan*, "A 10MHz Micromechanical Lamé-mode Bulk Oscillator Operating in Nonlinear Region". *Eurosensors XXIV* (5 - 8 Sep 2010, Johannes Kepler University, Linz, Austria)

266. MU*, Y, M Xu and S YAN*, "Learning From Very-Few Labeled Examples With Soft Labels". *ICIP 2010* (Hong Kong)

**ACCEPTED FOR PRESENTATION**

267. VISWANATHAN*, V, D S PICKARD, M.S.M Saifullah, S MATHEW, C P HEYJIN and T V VENKATESAN, "Direct Writing of sub-10 nm Nickel Lines with a Helium Ion Microscope". *MNE 2010* (Genoa Convention Centre, Genoa, Italy)

268. DING, J, Jain S and A O Adeyeye*, "Static and Dynamic Properties of one-dimensional Linear Chain of Nanomagnets". *55th Annual Conference on Magnetism and Magnetic Materials* (Hyatt Regency Atlanta, Atlanta, United States)

269. S, Jain, A O Adeyeye* and M Kostylev, "Frequency splitting of resonance modes in non-collinearly arranged rectangular magnets". *55th Annual Conference on Magnetism and Magnetic Materials* (14 - 18 Nov 2010, Hyatt Regency Atlanta, Atlanta, United States)

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List of Publications
Sep 2010 to Dec 2010

Department: ELECTRICAL & COMPUTER ENGINEERING
Journal Tiering: UNIVERSITY

ARTICLE IN JOURNAL
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