GHTCE 2014

2014 IEEE Global High Tech Congress on Electronics

Nov. 17-19, 2014

Shenzhen, China

Program Booklet

Crowne Plaza Hotel & Suites Landmark Shenzhen

Tel: (86 755)8217 2288

Add：3018 Nanhu Road, Shenzhen 518001, P.R.China

2014 IEEE Global High Tech Congress on Electronics
Shenzhen, China

Program at a Glance

Conference Venue:

Crowne Plaza Hotel & Suites Landmark Shenzhen

Tel: (86 755)8217 2288
Add：3018 Nanhu Road, Shenzhen 518001, P.R.China

Day 1 - Nov. 17, 2014

Azalea Room	
08:30 - 09:30	Registration
09:40 - 10:00	Opening Ceremony
Chair: Joseph Wang	
10:05 - 10:35	Keynote Speech
Charles Liu, Zhingying Lianchuang Technology	
10:40 - 11:10	Keynote Speech
Deyang Liu, VP, Volapu Technology	
Brew House	
11:20	Lunch

Bauhinia Room	
14:00 - 17:15	Oral Session
Board Room 1	

14:00 - 16:30	Poster Session

Day 2 - Nov. 18, 2014

Morning:

Visit SHENZHEN CHINA HI-TECH FAIR by attendee's free will

Address: Shenzhen Convention & Exhibition Center，Fuhua Third Road，Futian District，Shenzhen

Note: The GHTCE 2014 organizer will be distributed to attendees while on-site registration.

Bauhinia Room	
14:00 - 17:15	Oral Session
Board Room 1	
14:00 - 15:00	Poster Session
15:30 - 16:00	Award Ceremony

Day 3 - Nov. 19, 2014

Local Visiting Tour

Paper Session

AM, 17th Nov. Oral Presentation Bauhinia Room, Crowne Plaza Hotel & Suites Landmark Shenzhen		
Time	Title	Presenter
14:00-14:15	A Platform To Test Web Service In Wireless Mobile Network And Some Findings	Geng Xinli
14:15-14:30	Mimo Channel Emulator Developed For Performance Evaluation Of Lte Systems	Zhu Tiantian
14:30-14:45	Bprobe: A New Delay-based High-speed Tcp Congestion Control Algorithm	Zhang Xue
14:45-15:00	A 2gsps 8bit Pipelined Track-and-hold Amplifier In 90nm Cmos Technology	Zhang Yi
15:15-15:30	Analysis And Application Of Informatization Investment Benefit For Power Grid Enterprise Based On The Share Proportion Theory	Zhu Yayun
15:30-15:45	Double-tail Comparator With Reduced Delay Time For Low Supply Voltage In 90nm Technology	Li Dong
15:45-16:00	Leveraging Hardware Support For Security Of E-services With Etron Architecture	Khan Fahim
16:15-16:30	Coarse Grained Parallelization In Ldpc Code Genetic Design	Broulím Jan
16:45-17:00	Multitrack: An Advancement In Sharing Multimedia Content Over Multiple Audio Output Devices	Sharma Ramakant
17:00-17:15	A Domain-oriented Resource Modeling Tool Based On Ontology	Lin Hao

2014 IEEE Global High Tech Congress on Electronics
Shenzhen, China

PM,18th November
Oral Presentation
Bauhinia Room, Crowne Plaza Hotel & Suites Landmark Shenzhen

Time	Title	Presenter
14:00-14:15	Efficiency Improvements Of Boost Pfc Operated Under Continuous Conduction Mode	Moldaschl Jan
14:15-14:30	A Real-time Camera Array Synthetic Aperture Imaging System	Pei Zhao
14:30-14:45	Ant Colony Optimization Approach To Digital Comparative Holography Through Traveling Salesman Problem	M. Hossein Ahmadzadegan
14:45-15:00	A Resistorless CMOS Bandgap Voltage Reference Targeting Energy Harvesting	Ali Far
15:15-15:30	On Boosting the Throughput with Minimal Emitted No. of Molecules for the Diffusion-Based Molecular Communication networks: Prospective and Challenges	Ahmad Mohammad
15:30-15:45	LDPC-coded MIMO Systems with Spatial Coupling Over Slow Fading Channels	Zhonghao Zhang
15:45-16:00	Exact Repair in the Rack Model for Distributed Storage	Dai Mingjun
16:15-16:30	Energy balanced and energy saving routing protocol for wireless multi-hop networks	Yifei Wei
16:45-17:00	A Functional Electrical Stimulation System For Motor Function Rebuilding Of Limbs Based On Principle Of Electromyography Signal Communication	Wang Haipeng
17:00-17:15	A Class of Hardware-efficient PRNGs with Maximum Periods	Chung-Yi Li

Poster Session

Poster	
17, Nov.	Board Room1
14:00–15:00	The Design Of The Simulated Ato Speed Controller Based On The Predictive Grey Control
	Hand Gesture Recognition Based On Geometry And Ccm Feature Analysis
	An Improved Model Based On Negative Selection Algorithm
	A Model For Defending Against Tampering And Selective Forwarding Attacks In Wsn
	Impact Of Group-delay Ripple Upon Continuous Phase Modulation And Its Compensation Method
	Combing Foreground/background Feature Points And Adaptive Appearance Learning For Sift-based Object Tracking
	A Location-based Service Framework For Distributed Interactive Multimedia System
	Comparison Of Different Modulation Formats For Multi-path & High-speed Dwdm-pon System
	Performance Analysis Of The 802.11 Mac Protocol With Multi-packet Reception
	A Set Of Orthogonal Space-time Block Codes For The High-rate Transmission With Two Additional Information Bits
	A Novel Scalable Cloud Storage System Based On P2p And Hdfs
	An Active Equalizer For Serially Connected Battery Cells Based On Dc/dc Converter
	A Low-voltage Low-power Cmos Receiver Front-end For 2.4ghz Wsn Applications
	A Novel Framework For Integrated Tone Mapping Based On Improved Saliency Map
	Multi-frequncy Algorithm For Real-time 3-d Acoustic Imaging With Cross Array
15:30–16:30	A Research On Testing Method Of Heterogeneous Software Based On Cdd Model
	Wsn Time Synchronization Algorithm With Self-calibration Based On Piecewise Fitting
	High Density Mimo Channel Characteristics In Corridor Environment At 2.6ghz
	Parallel Optimization Of Slice-level Encoding Based On Hevc/h.265
	A Boundary Treatment Method For Simulating Fluid In Porous Media

	Brain Magnetic Resonance Imaging Segmentation Using Scale-space Based Expectation Maximum Initial Method
	A Spectrum Partition Adjustment For Multiuser Opportunistic Spectrum Access In Cognitive Radio Networks
	Distributed Beamforming To Secure Filter-and-forward Cooperative Relay System
	A 5-6ghz Cmos Receiver Front-end Design
	A Study Of The Moderating Effect Of Product Type In Online Reviews Communities From An Elm Perspective
	An Energy-efficient Distributed Clustering Routing Protocol In Wireless Sensor Network
	Passive Acoustic Localization Fusion Method Of Double Five Element Cross Array
	A Novel Method Of Mems Vacuum Packaging
	A Non-uniform Grid-based Cluster Partitioning Strategy In Wireless Sensor Networks
	Indirect Imge Edge Detection Method Based On Canny Operator

18, Nov.	Board Room1
14:00-15:00	Design Of C-band Transmitter Front-end
	Calculation Method Of Considering Evaluators' Influence For Large Group Bargaining Evaluation Problem
	The Research And Model Checking Of Fairness Property In Concurrent System
	A Case Study In The Use Of Model Checking To Solve A Mathematical Problem
	Medical Image Retrieval Algorithm Based On Texture And Shape Features
	A Novel Road Aware Routing Protocol For Vehicular Ad-hoc Network
	Research On Spectrum Allocation In Cognitive Satellite Communication Based On Graph Theory
	Research On Instant Messenger Network Model Based On Serial Interface
	Research On The Ajax-enabled Music Theme Crawler System
	Tesda Framework For The Job Security In The Cloud
	Intellgient Container Logistic Management System Based On Beidou
	Novel Role Based Rendezvous Algorithm For Cognitive Radio Networks
	Steering User Energy Saving Behavior In Building With Comparison
	Novel Implementation Of Mmse-based Mimo Detector On Fpga
	The Implementation and Evaluation of Polarization Modulation for Cognitive Radio

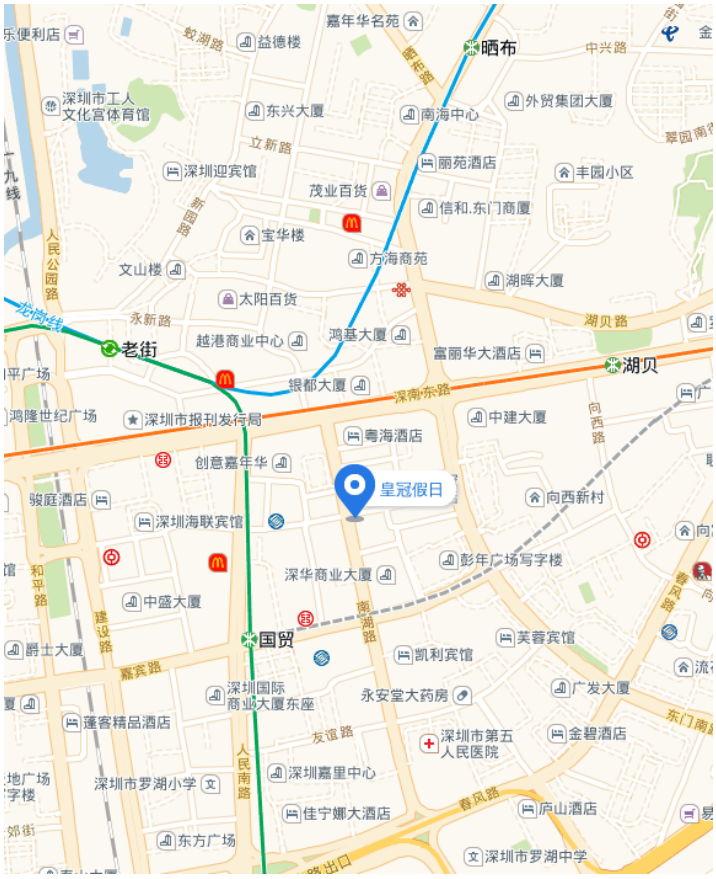
Conference Venue

Crowne Plaza Hotel & Suites Landmark Shenzhen

Tel: (86 755)8217 2288
Fax: 0755 － 8229 0479
Email: Info@cplandmarksz.com
Add：3018 Nanhu Road, Shenzhen 518001, P.R.China

深圳富苑皇冠假日套房酒店

深圳 罗湖区 南湖路 3018 号 ， 国贸大厦旁。



Transportation to and from Hotel

Shenzhen Baoan International Airport(SZX)

- Distance: 24.86 MI/40.0 KM WEST to Hotel
- Shuttle Charge (one way to Luohu): 20.00 CNY
- Taxi Charge (one way): 150.00 CNY
- Time by Taxi: 45 mins
- Metro Charge (one way): 8.00 CNY
- Time By Metro: 45 mins
- Drive southeast on the Guangshen Highway for 35km. Take Huanggang exit. Turn left. Drive east on Binghe Rd for 4

Km.Turn to South Baoan Rd for 600 meters. Turn to East Shennan Rd 500 meters. Then turn right to Nanhua Rd.

Hong Kong International Airport(HKG)

- Distance: 40.39 MI/65.0 KM SOUTH to Hotel
- Shuttle Charge (one way): 137.00 CNY
- Taxi Charge (one way): 400.00 CNY
- Time by Taxi: 60mins
- Metro Charge (one way): 48.00 CNY
- Time By Metro: 81mins
- Ferry Charge (one way): 260.0 CNY
- Time by Ferry: 30mins (Please arrive at Shekou Harbour 30mins in advance; It takes 45mins to get to Shekou Harbour by taxi.)
- Enter Shenzhen from Huanggang Border. Go to Binghe Rd. Turn to South Baoan Rd. And turn to East Shennan Rd. Then

turn right to Nanhu Rd. Information available at hotel concierge.

Train

- Station Name: Shenzhen Train Station
- Distance: 1.86 MI/3.0 KM SOUTH WEST to Hotel
- Complimentary Shuttle Available(09:00am-18:00pm, book 2 hours in advance)
- Taxi Charge (one way): 20.00 CNY
- Drive to South Renmin Rd and turn to East Jiabin Rd then turn north to Nanhu Rd and approach hotel at east side.

Subway

- Subway Station Name: Guomao Station
- Distance: 0.31 MI/0.5 KM SOUTH WEST to Hotel
- Taxi Charge (one way): 10.00 CNY
- Turn North to Nanhu Rd and arrive at hotel in 2 minutes.

深圳宝安国际机场(SZX)

- 距离: 24.86 MI/40.0 KM 向东 前往酒店
- 机场大巴车费（单程至罗湖口岸）：20.00 CNY
- 接机出租车费：150.00 CNY
- 时间（乘出租车）: 45 分钟
- 地铁费（单程）：8.00 CNY
- 时间（乘地铁）: 45 分钟
- 沿广深高速公路向东南方向行驶 35 公里，从皇岗口岸出口下高速。 左转进入滨河大道，向东行驶 4 公里。 转到宝安南路前行
  600 米， 转到深南东路前行 500 米， 然后右转进入南湖路即到达。

香港国际机场(HKG)

- 距离: 40.39 MI/65.0 KM 向南 前往酒店
- 机场大巴车费：137.00 CNY
- 接机出租车费：400.00 CNY
- 时间（乘出租车）: 60 分钟
- 地铁费（单程）：48.00 CNY
- 时间（乘地铁）: 81 分钟
- 轮渡费（蛇口港至香港，单程）: 260.0 CNY
- 轮渡时间：30 分钟 (请提前 30 分钟到达蛇口港; 搭乘的士至蛇口港需约 45 分钟)
- 从皇岗口岸进入深圳。沿滨河大道转到宝安南路，再转到深南东路，之后右转进入南湖路。更详细的信息您可问询礼宾部。

火车站

- 站名: 深圳火车站
- 距离: 1.86 MI/3.0 KM 西南方向 前往酒店
- 免费接送班车(09:00-18:00，需提前两小时预订)
- 接站出租车费：20.00 CNY
- 开车到人民南路向东转到嘉宾路,然后向北转到南湖路，可以看到酒店就在东侧。

地铁

- 地铁站名称: 国贸地铁站
- 距离: 0.31 MI/0.5 KM 西南方向 前往酒店
- 出租车费：10.00 CNY
- 向北转到南湖路，2 分钟即可到达酒店。

Hotel Information

Crowne Plaza Hotel & Suites Landmark Shenzhen

深圳富苑皇冠假日套房酒店（★★★★★）

房型	价格	备注
高级客房	￥ 850	15%服务费,60 平方

电话：(86 755)8217 2288
传真：0755 – 8229 0479
邮件地址:：Info@cplandmarksz.com
酒店地址：中国广东省深圳市罗湖区南湖路 3018 号

Shenzhen Luohu Hotel

罗湖大酒店（★★★★☆）

房型	价格	备注
高级客房	￥360	含早餐
日式高级客房	￥360	含早餐
豪华客房	￥430	含早餐
日式豪华客房	￥430	含早餐

地址：深圳市罗湖区南湖路 3012 号
电话：086 755 2516 3888
联系人：137 1438 8543 袁经理

深圳天俊兴悦商务酒店（★★★☆☆）

房型	合约价格	备注
高级大床房/双床房	￥268	无早餐
套房	￥368	无早餐

地址：深圳市罗湖区南湖路 3012 号
电话：0755-82182328
传真：0755-82257415
联系人：13590195980 吴小姐

7 天连锁酒店深圳国贸商务中心店（☆☆☆☆☆）

房型	合约价格	备注
商务双床房	￥237	送营养早餐、矿泉水、洗漱用品
商务大床房	￥207	送营养早餐、矿泉水、洗漱用品

地址：深圳市罗湖区东门南路 3007 号金龙大厦
电话：+86 0755 22905599
联系人：13265483163 曾经理

Committee

General Chair:

Vahid Tarokh, Harvard University, USA

TPC & Local Arrangement Chair:

Joseph Kinghsin Wang, Harbin Institute of Technology, China

Technical Program Committee:

Laith Al-Jobouri, University of Essex, United Kingdom
Istvan Andorko, DigitalOptics Corporation Europe Ltd., Ireland
Ezendu Ariwa, University of Bedfordshire, United Kingdom
Giuseppe Avellone, STMicroelectronics, Italy
Mehdi Bahrami, University of California, Merced, USA
Dr. Marco Block-Berlitz, Hochschule für Technik und Wirtschaft Dresden, Germany
Jose Bravo, University of Castilla-La Mancha, Spain
John Buford, Avaya Labs Research, USA
Jack Burbank, The Johns Hopkins University Applied Physics Laboratory, USA
Gustavo Calixto, University of Sao Paulo, Brazil
Yisong Chang, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Yen-Lin Chen, National Taipei University of Technology, Taiwan
Tae-Sun Choi, Gwangju Institute of Science and Technology, Korea
Claudio Cusano, University of Pavia, Italy
Francesca De Simone, Telecom ParisTech, France
Daniel Díaz-Sánchez, Universidad Carlos III de Madrid, Spain
Cong Ding, UC Riverside, USA
Jianbo Dong, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Yuhan Dong, Tsinghua University, P.R. China
Ramy Fathy, National Telecommunication Regulatory Authority (NTRA), Egypt
Stenio Fernandes, Federal University of Pernambuco, Brazil
Konstantin Glasman, St. Petersburg State University of Film and Television, Russia
Slawomir Grzonkowski, Symantec, Ireland
Quansheng Guan, South China University of Technology, P.R. China
Laurent Herault, CEA-LETI, France
Tatsuya Hirai, HGST Japan, Japan
Wei Hong, Google, USA
Libo Huang, National University of Defence Technology, P.R. China
Ciarán Hughes, Valeo Vision Systems, Ireland

Tao Jiang, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Zhiying Jiang, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Xin Jin, Tsinghua University, P.R. China
Arun Joseph, IBM, India
Ruediger Kays, TU Dortmund University, Germany
Tae-Chan Kim, Samsung Electronic Co. Ltd., Korea
Bjorn Krüger, Bonn University, Germany
Pei-Jun Lee, National Chi Nan University, Taiwan
Thomas Lepich, University of Wuppertal, Germany
Marco Listanti, University of Rome La Sapienza, Italy
Arshad Mansoor, Pakistan Aeronautical Complex, Pakistan
Andrés Marín López, University Carlos III of Madrid, Spain
Reinhard Moeller, University of Wuppertal, Germany
Marie-Jose Montpetit, MIT Media Laboratory, USA
Wolfgang Müller, University of Education Weingarten, Germany
Derrick Wing Kwan Ng, University Erlangen-Nürnberg, Germany
Takako Nonaka, Shonan Institute of Technology, Japan
Bruce Nordman, Lawrence Berkeley National Laboratory, USA
Jose Juan Pazos-Arias, Universidad de Vigo, Spain
Sharon Peng, Harman International, USA
Thinagaran Perumal, University Putra Malaysia, Malaysia
Ang Boon Chong ,Independent Researcher, Malaysia
Rafael Real-Calvo, University of Cordoba, Spain
Gerald Schaefer, Loughborough University, United Kingdom
Euiseong Seo, Sungkyunkwan University, USA
Guruprasad Seshadri, Tata Consultancy Services, India
Mohammad S. Sharawi, King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia
Arun Sharma, Thapar University, India
Akash Singh, IBM, USA
Jani Suomalainen, VTT, Finland
Matthias Wahlisch, Freie Universitat Berlin, Germany
Xishuang Wang, Instituted of Compute Technology Chinese Academy of Science, P.R. China
Zhen Wang, Beijing Institude of Technology, P.R. China
Ning Xu, Dolby Laboratories, Inc., USA
Zhan Xu, Beijing Information Science and Technology University, P.R. China
Lu Ye, Broadcom Corporation, USA
Chu Yu, National ILan University, Taiwan
Wei Zeng, Florida International University, USA
Guangfei Zhang, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Ke Zhang, Institute of Computing Technology, Chinese Academy of Sciences, P.R. China
Nan Zhao, Dalian University of Technology, P.R. China