ICUFN 2011

IEEE COMMUNICATIONS SOCIETY

June 15(Wed.)-17(Fri.), 2011
Holiday Inn Express City Center, Dalian, China

The Third International Conference on Ubiquitous and Future Networks

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Final Program

IEEE **Springer** **KICS** Korea Information and Communications Society

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ICUFN 2011

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Message from Organizing Co-Chairs

*W*elcome to ICUFN 2011 the Third International Conference on Ubiquitous and Future Networks, organized by Korea Information and Communications Society (KICS) and technically co-sponsored by IEEE Communications Society (ComSoC).

During the first decade of the 21st century, we have witnessed the tremendous growth of the mobile Internet and the wireless ubiquitous technologies, which make the globalization just a click away. In this global era, the importance of computer networking and mobile ubiquitous technologies cannot be under-estimated. In fact, such technologies have now greatly impacted our lives and influenced the way we work, commute, shop, etc. To provide a great opportunity to exchange the state-of-the-art research advances in ubiquitous technologies and expand the research community, we have decided to hold the third ICUFN in Dalian, China, because of its strategic location, good climate during the summer, beautiful sceneries, and also the presence of good universities and technological industries. ICUFN is a truly international annual conference! Our TPC team consists of members from countries around the world. For ICUFN 2011, we have received over 116 submissions from many different countries and 74 papers have been accepted.

We have prepared an exciting and comprehensive program for you. We hope you will take this good opportunity to attend the technical sessions, meet the authors, and foster greater collaboration ties with other researchers. In addition, if you have additional time, please do not miss the chance to tour around Dalian. Dalian is a young city with only a 100-year history. Situated at the tip of China's Liaodong Peninsular, it is a trading and financial center in northeastern Asia and has gained the name the 'Hong Kong of Northern China'. We hope you will have a fruitful time in Dalian, China! We look forward to your participation and support in the future.

Thank you.

Sincerely yours,

Yeong Min Jang   **C. K. Toh**   **Naohisa Ohta**   **Zhisheng Niu**
Kookmin Univ., Korea   ALICO, USA   Keio Univ., Japan   Tsinghua Univ., China

Message from TPC Co-Chairs

*I*t is our great pleasure to welcome all of you to Dalian from June 15 through 17, 2011, for the Third International Conference on Ubiquitous and Future Networks (ICUFN). Based on the success of its first and second editions, ICUFN 2011 will be an exciting conference covering broad topics on ubiquitous and future network technologies.

This year we have received 116 paper submissions electronically from various countries. Many of the papers were submitted from the Asia/Pacific region, and also the increasing number of submissions was made from Europe and USA. A rigorous review process has followed in which all papers received two or more independent reviews. After the reviews, we have selected 74 papers for presentation at the conference.

The accepted papers were organized into 15 technical sessions, which will be held in 3 parallel tracks. The program covers a variety of topics on wireless and wired communication networking technologies including cognitive radios, sensor networks, cooperative communications, future network issues, mobile multimedia networking, and other important technologies. It reflects the growing need to develop a cross-layer or cross-community approach to address the future challenges in this area.

In addition to the contribution of prominent authors from all over the world, we believe that this year's precious and interesting program was made possible by the commitment of technical program committee members. We are indebted to all of the 62 TPC members for their active participation and precious time. We also would like to thank our sponsors, KICS and IEEE Communications Society, for their kind support of this successful event. We extend our sincere thanks to the Organizing Committee Co-Chairs, Prof. Yeong Min Jang, Prof. C. K. Toh, Prof. Naohisa Ohta, and Prof. Zhisheng Niu for their continued support and guidance. We hope that all of you will enjoy the excellent program of ICUFN 2011 as well as the beautiful scenery and attractions of Dalian.

Sincerely,

Seong-Ho Jeong
Hankuk Univ. of Foreign Studies, Korea

Zhaoyang Zhang
Zhejiang Univ., China

Hideyuki Uehara
Toyohashi Univ. of Tech., Japan

June 15 (Wednesday)	
15:00-17:00	**Session 1** (1A, 1B, 1C)
18:00-20:00	Welcome Reception
June 16 (Thursday)	
09:00-11:00	**Session 2** (2A, 2B, 2C)
11:00-11:10	Coffee Break
11:10-11:20	**Opening Address** (Prof. Yeong Min Jang, Organizing Co-Chair) (Prof. C. K. Toh, Organizing Co-Chair) **Welcome Address** (Prof. Bob Li, Honorary Conference Co-Chair) (Prof. Shengcheng Pan, President of Dalian University, China)
11:20-12:00	**Keynote Speech I** Direction of Future Networks and Internet (Prof. Bijan Jabbari, George Mason University)
12:00-13:30	Lunch Break
13:30-15:30	**Session 3** (3A, 3B, 3C)
15:30-15:50	Coffee Break
15:50-17:50	**Session 4** (4A, 4B, 4C)
18:30-20:30	**Banquet** (Speech: Prof. Kyung Sup Kwak, Former President of KICS)
June 17 (Friday)	
09:00-09:40	**Keynote Speech II** Convergence of Communications and Broadcasting: Multi Screen Services (Dr. Hojin Lee, SVP of ETRI)
09:40-09:50	Coffee Break
09:50-11:50	**Session 5** (5A, 5B, 5C)

ICUFN 2011
Technical Sessions

June 15, 2011 (Wednesday)

15:00-17:00

Session 1A: Sensor/RFID and Body Area Networks (1)

Chair: Mostafa Chowdury, Kookmin University, Korea

[1A-1] End-to-End Connectivity IPv6 over Wireless Sensor Networks

Luís M. L. Oliveira (Instituto de Telecomunicações, University of Beira Interior, Polytechnical Institute of Tomar, Portugal), Joel J. P. C. Rodrigues (Instituto de Telecomunicações, University of Beira Interior, Portugal), Bruno M. Mação (Polytechnical Institute of Tomar, Portugal), Paulo A. Nicolau (Polytechnical Institute of Tomar, Portugal), Lei Wang (Dalian University of Technology, P.R. China), Lei Shu (Osaka University, Japan)

[1A-2] DV-hop Localization Algorithm with Multi-Power Beacons under Noisy Environment

Hongbeom Ahn, Jin Pyo Hong (Hankuk University of Foreign Studies, Korea)

[1A-3] Exploiting Proximity Readers for Statistical Cleaning of Unreliable RFID Data

Xingqiang Zhou, Rong Chen (Dalian Maritime University, P.R. China)

[1A-4] RNIndoor: A Relay Node Deployment Method for Disconnected Wireless Sensor Networks in Indoor Environments

Misun Yu, Jun-Keun Song, Pyeongsoo Mah (Electronics and Telecommunications Research Institute, Korea)

[1A-5] Transmission Power Control in Multihop Wireless Sensor Networks

Mahir Meghji, Daryoush Habibi (Edith Cowan University, Australia)

Session 1B: MANET and ITS/VANET (1)

Chair: Sang-Jo Yoo, Inha University, Korea

[1B-1] An Entropy based Cooperative-Aided Routing Protocol for Mobile Ad-hoc Networks

Beongku An, Joo Sang Lee (Hongik University, Korea), Nam-Soo Kim (Cheongju University, Korea)

[1B-2] Mitigate Traffic Congestion with Virtual Data Sink based Information Dissemination in Intelligent Transportation System

Li-Der Chou, David Chunhu Li, Hung-Wen Chao (National Central University, Taiwan)

[1B-3] Non-Preemptive Queueing-Based Performance Analysis of Dynamic Spectrum Access for Vehicular Communication System over TV White Space

Mst. Najnin Sultana, Kyung Sup Kwak (Inha University, Korea)

[1B-4] Auction-based Bandwidth Assignment for Multi-Path Routing in Selfish Networks

Chaoping Guo, Kun Han (Xidian University, Xi'an Communication Inst., P.R. China), Hailin Zhang, Yongzhao Li (Xidian University, P.R. China)

[1B-5] Time Delay On-demand Multipath Routing Protocol in Mobile Ad-hoc Networks

Woncheol Cho (Agency for Defense Development, Korea), Daeyoung Kim, Taehong Kim, Seong Hoon Kim (Korea Advanced Institute of Science and Technology, Korea)

Session 1C: QoS/QoE and Resource Management (1)

Chair: Seong-Ho Jeong, HUFS, Korea

[1C-1] Signaling for Adaptive QoS in Cellular Networks

Anbin Kim, Seong-Ho Jeong (Hankuk University of Foreign Studies, Korea)

[1C-2] Joint Load Balancing of Radio and Transport Networks in LTE System

Liang Zhao, Xi Li, Thushara Weerawardane (University of Bremen, Germany), Andreas Timm-Giel (Hamburg University of Technology, Germany), Carmelita Görg (University of Bremen, Germany)

[1C-3] Dynamic Power Control Mechanism for Interference Coordination of Device-to-Device Communication in Cellular Networks

Jaheon Gu, Sueng Jae Bae, Bum-Gon Choi, Min Young Chung (Sungkyunkwan University, Korea)

[1C-4] Cognitive Flow Management for QoS in WLANs

Tapio Frantti, Mikko Majanen (VTT, Finland), Mikko Majanen (VTT Technical Research Centre of Finland, Finland), Timo Sukuvaara (Finnish Meteorological Institute, Finland)

[1C-5] Precise Network Monitoring for High Quality Live Streaming

Kunitake Kaneko (Keio University, Japan)

June 16, 2011 (Thursday)

09:00-11:00

Session 2A: Sensor/RFID and Body Area Networks (2)

Chair: Takeo Fujii, University of Electro-Communications, Japan

[2A-1] Energy Adaptive MAC Protocol for Wireless Sensor Networks with RF Energy Transfer

Jaeho Kim (Korea Electronics Technology Institute; Yonsei University, Korea), Jang-Won Lee (Yonsei University, Korea)

[2A-2] An Energy Efficient MAC Protocol for Mobile in-vivo Body Sensor Networks

Lin Lin, Kai-Juan Wong, Arun Kumar, Su Lim Tan, Soo Jay Phee (Nanyang Technological University, Singapore)

[2A-3] Performance Evaluation of Routing Protocols for Wireless Sensor Networks in Military Scenarios

Daesung Kim, Dongkyun Kim (Kyungpook National University, Korea), Hyeon Park, Seung-mok Yoo (Electronics and Telecommunications Research Institute, Korea)

[2A-4] Intermittent Transmission Method based on Aggregation Model for Clustering Scheme

Hiroaki Taka, Hideyuki Uehara, Takashi Ohira (Toyohashi University of Technology, Japan)

[2A-5] Antenna for RFID Reader

Sooman Park (Salgunet Company, Korea), Kidong Park (Dongkang College University, Korea)

Session 2B: Visible Light Communications

Chair: Sejun Song, Texas A&M University, USA

[2B-1] New QoS Resource Allocation Scheme Using GTS for WPANs

Nam Tuan Le, Sunwoong Choi, Yeong Min Jang (Kookmin University, Korea)

[2B-2] Path Mapping and Control of Mobile Cleaning Robot Using LED-ID Network

Muhammad Shahin Uddin (Kookmin University), Mst. Nargis Aktar (Mawlana Bhashani Science and Technology University, Bangladesh), Jae-Sang Cha (Seoul National University of Technology, Korea), Yeong Min Jang (Kookmin University, Korea)

[2B-3] Wireless CAN Communications based on White LED

Kyung-Rak Sohn, Hee-Jin Lee, Yeun-Ju Kim (Korea Maritime University, Korea)

[2B-4] Position Estimation Algorithm Based on Tracking of Received Light Intensity for Indoor Visible Light Communication Systems

Youngsuk Kim, Junho Hwang, Jisoo Lee, Myungsik Yoo (Soongsil University, Korea)

Session 2C: Cooperative Communications and Networks

Chair: Jaewoo So, Sogang University, Korea

[2C-1] Analysis of Outage Probability for Opportunistic Decode-and-Forward Relaying Network over Asymmetric Fading Channels

Sudhan Majhi (Nanyang Technological University, Singapore), Hua Qian (Chinese Academy of Sciences, P.R. China), Weidong Xiang (University of Michigan, Dearborn, USA), Sateesh Addepalli (Cisco Systems, USA), Zhenguo Gao (Harbin Engineering University, P.R. China)

[2C-2] Semi-Blind Iterative Relay Selection Schemes for Amplify-and-Forward Cooperative Relay Network

Bin Shen, Kyung Sup Kwak (Inha University, Korea)

[2C-3] Power Allocation for Two-Way Relay System Based on Sequential Second Price Auction

Tianyu Wang, Rongqing Zhang, Lingyang Song (Peking University, P.R. China), Zhu Han (University of Houston, USA), Haopeng Li (China Petroleum Engineering & Construction Corp., P.R. China), Bingli Jiao (Peking University, P.R. China)

[2C-4] Cooperation Based Adaptive Self-Management for Ad hoc Networks

Xingchao Zhou, Qinghai Yang (Xidian University, P.R. China), Kyung Sup Kwak (Inha University, Korea), Fenglin Fu (Xidian University, P.R. China)

[2C-5] Optimization Model and Solution Method for Multi-Channel Cooperative Sensing in Cognitive Radio Networks

Wei Yang, Huanzhong Li, Dongsong Ban and Wenhua Dou (National University of Defense Technology, P.R. China)

June 16, 2011 (Thursday)

13:30-15:30

Session 3A: MANET and ITS/VANET (2)

Chair: Kyung-Rak Sohn, Korea Maritime University, Korea

[3A-1] Proactive Searching Period Determination on Singular Radio Mobile Devices

Jihoon Ryoo (Microsoft Research, USA), Hyun Soon Kim, Hwangnam Kim (Korea University, Korea)

[3A-2] PNEMO: A Network-Based Localized Mobility Management Protocol for Mobile Networks

Fumio Teraoka, Tetsuya Arita (Keio University, Japan)

[3A-3] Tree-based Multicast Protocol Using Multi-point Relays for Mobile Ad Hoc Networks

Chang-Yeong Oh, Jongho Park, Jihyoung Ahn, Mingyu Lee, Tae-Jin Lee (Sungkyunkwan University, Korea), Woosuk Cha, Pyeong Soo Mah (ETRI, Korea)

[3A-4] MANET Routing Protocols vs Mobility Models: A Performance Evaluation

Fahim Maan, Nauman Mazhar (National University of Sciences and Technology, Pakistan)

[3A-5] Self-Regulated Decision for Stable MANET Node Movement

Sang-Chul Kim (Kookmin University, Korea)

Session 3B: QoS/QoE and Resource Management (2)

Chair: Seokjoo Shin, Chosun University, Korea

[3B-1] An Adaptive Algorithm for Live Streaming using Tree-based Peer-to-Peer Networking in Mobile Environments

YangJung Kim, Ilyoung Chong (Hankuk University of Foreign Studies, Korea)

[3B-2] Resource Reservation and Preemption in 3GPP LTE/SAE and 3GPP2 EV-DO Interworking Architecture

Kai-Hsiu Chen (National Tsing Hua University, Taiwan), Jyh-Cheng Chen (National Chiao Tung University, Taiwan), Zong-Hua Liu (National Tsing Hua University, Taiwan)

[3B-3] A Node Placement Algorithm for Avoiding Congestion Region in Wireless Sensor Networks

Hyun-Soo Cha, Ki-Hyung Kim, Seung Wha Yoo (Ajou University, Korea)

[3B-4] A Novel Geocasting Protocol for Multi-interface Tactical Ad Hoc Networks

Sun-Joong Yoon (Ajou University, Korea), Sung-Hee Lee (Samsung Electronics, Korea), Young-Bae Ko (Ajou University, Korea)

[3B-5] Wireless Sensor Networks Localization Based on QoS by Using One Beacon
Farzad Tigh Panahi, Abolfazl Torghi Haghighat, Farzaneh Tigh Panahi (Islamic Azad University, Iran)

Session 3C: Cellular & Broadband Wireless Networks

Chair: Zary Segall, UMBC, USA

[3C-1] A Study on the Performance of UWB-MIMO Detection Techniques
Asif Iqbal, S. M. Riazul Islam, Kyung Sup Kwak (Inha University, Korea)

[3C-2] Interference Cancellation for Spectrum Shared Femtocell Networks with Macrocell Information Feedback
Massa Ndong, Takeo Fujii (The University of Electro-Communications, Japan)

[3C-3] Algorithms for ARQ Feedback Message Transmission in IEEE 802.16m Systems
Yujin Nam, Jongheon Lee, Jaewoo So (Sogang University, Korea)

[3C-4] A Study on the Green Cellular Network with Femtocells
Donghan Chee, Min Suk Kang, Howon Lee (Korea Advanced Institute of Science and Technology, Korea), Bang Chul Jung (Gyeongsang National University, Korea)

[3C-5] Neighbor Cell List Optimization for Femtocell-to-Femtocell Handover in Dense Femtocellular Networks
Mostafa Zaman Chowdhury, Bui Minh Trung, Yeong Min Jang (Kookmin University, Korea)

June 16, 2011 (Thursday)

15:50-17:50

Session 4A: Cross-Layer Design and Optimization

Chair: Dongkyun Kim, Kyungpook National University, Korea

[4A-1] Cross-layer Analysis of CSMA/iCA-based Wireless Local Area Network
Subodh Pudasaini, Seokjoo Shin (Chosun University, Korea)

[4A-2] Content-based Cross-layer Design for Layered Video Multicasting
Minkyu Han, Jin Pyo Hong, Seong-Ho Jeong (Hankuk University of Foreign Studies, Korea), Hokyom Kim (Electronics and Telecommunications Research Institute, Korea)

[4A-3] A Secure Scheme for Power Exhausting Attacks in Wireless Sensor Networks
Ching-Tsung Hsueh, Chih-Yu Wen, Yen-Chieh Ouyang (National Chung Hsing University, Taiwan)

[4A-4] Adaptive QoS Control in Advanced Networks
Anbin Kim, Seong-Ho Jeong (Hankuk University of Foreign Studies, Korea)

Session 4B: Network Management

Chair: Kazunori Sugiura, Keio University, Japan

[4B-1] Enhancement of mSCTP mobility scheme for seamless vertical handover
Jae yeol Shim, Sang Woo Song, Byung Ho Rhee (Hanyang University, Korea)

[4B-2] Understanding the Health of an Access Network
Hyungbae Park, Baek-Young Choi (University of Missouri, Kansas City, USA), Sejun Song (Texas A&M University, USA)

[4B-3] Performance Analysis of Hybrid FSO/RF System
Yang Zhang, Byung-Yeon Kim, Youngil Park, Ki-Doo Kim (Kookmin University, Korea)

[4B-4] Host Information Acquisition in LAN Environment
Yasuhito Tsukahara, Takashi Tomine, Kazunori Sugiura (Keio University, Japan)

[4B-5] An Efficient Load Balancing Scheme in Failure Insensitive Routing
Hyungjin Kim, Min Sun Jeong, Youngjun Lee, Sanghwan Lee (Kookmin University, Korea)

Session 4C: Future Internet and Network Architecture

Chair: Xin Wang, Fudan University, China

[4C-1] A Hierarchical Mapping System Approach For ID-to-Locator Resolution
Mukankunga Bisamaza Angel, Choong Seon Hong (Kyung Hee University, Korea)

[4C-2] The Living Laboratory: a Holistic Approach for Understanding the Performance of Future Mobile Services and Networks
Zary Segall (University of Maryland Baltimare County, USA), Pietro Lungaro (Royal Institute of Technology), Pavan Kumar, Vikrant Nandakumar (University of Maryland Baltimare County, USA)

[4C-3] A study of enhanced TCP for Vertical Handover Using Explicit Congestion Notification (ECN)
Won Seck Jung, Sang Woo Son, Byung Ho Rhee (Hanyang University, Korea)

[4C-4] ZNA: A Network Architecture for New Generation Network - Focusing on the Session Layer
Fumio Teraoka, Sho Kanemaru, Kazuma Yonemura (Keio University, Japan)

[4C-5] Router Supported Data Regeneration Protocols in Distributed Storage Systems
Tiegang Zeng, Lei Liu, Jin Zhao, Xin Wang (Fudan University, P.R. China)

[4C-6] Parallel Selection Algorithm for Multiple Applications in Network Virtualization

Mao Yang, Yong Li, Lieguang Zeng, Depeng Jin, Li Su (Tsinghua University, P.R. China)

June 17, 2011 (Friday)

09:50-11:50

Session 5A: Ubiquitous Computing and Networking

Chair: Jang-Won Lee, Yonsei University, Korea

[5A-1] RF-Based Guard Light Management System by Using Wireless Sensor Network Technologies

Kyu Hyung Kim, Hyunwoo Kang, Joungsik Kim (Electronics and Telecommunications Research Institute, Korea), Dongkyun Kim (Kyungpook National University, Korea)

[5A-2] A Heuristic-Based Algorithm for Wireless Localization and Path Tracking

Wei-Cheng Lin, Huai-Yu Chang, Ching-Chun Lan (I-Shou University, Taiwan), Ruey-Shin Chen (National Quemoy University, Taiwan)

[5A-3] Design and Implementation of Privacy-enhanced Operation History Middleware for Smartphones

Ken Ohta, Katsuki Kiminami, Tomohiro Nakagawa, Chiaki Doi, Hiroshi Inamura (NTT DOCOMO, Japan)

[5A-4] Event Detection in Composite Context Aware-Service

Woongsoo Na, Sungrae Cho (Chung-Ang University, Korea); Eungha Kim, Youngil Choi (Electronics and Telecommunications Research Institute, Korea)

[5A-5] On the Design of Inclusive Ubiquitous Access

Amos Nungu, Robert Olsson, Bj¨orn Pehrson (KTH Royal Institute of Technology, Sweden)

Session 5B: Cognitive Radio Networks

Chair: Ki-Doo Kim, Kookmin University, Korea

[5B-1] Energy Efficient Channel Sensing Scheduling in Cognitive Radio Networks

Woo-Jeong Choi, Jae-Kark Choi, Sang-Jo Yoo (Inha University, Korea)

[5B-2] An Intelligent Secondary MAC Protocol Using Shared Spectrum with IEEE802.11 Wireless LAN

Takayuki Suzuki, Takeo Fujii (The University of Electro-Communications, Japan), Osamu Takyu (Shinshu University, Japan)

[5B-3] Effect of Sensing Ability for Spectrum Shared Cognitive Radio -Power Control or CSMA

Takeo Fujii (The University of Electro-Communications, Japan)

[5B-4] An Adaptive MAC protocol for Efficient Utilization of Available Spectrum Bandwidth

Seung Hwan Lee (Kwangwoon University, Korea), Byung Joo Lee (LG Electronics, Korea), Seung Hyong Rhee (Kwangwoon University, Korea)

[5B-5] Optimal Cooperative Wideband Spectrum Sensing in Cognitive Radio Networks

Vahid Jamali, Ramezan Ali Sadegh Zadeh, Seyed Hamid Safavi, Soheil Salari (K.N. Toosi University of Technology, Iran)

Session 5C: Mobile Multimedia Networking

Chair: Sanghwan Lee, Kookmin University, Korea

[5C-1] L2-Triggered Mobility Management in Heterogeneous IP Wireless Networks

Kyungtae Kim (NEC Labs America, Inc., USA), Young-June Choi (Ajou University, Korea), Junghoon Jee, Eunah Kim (ETRI, Korea)

[5C-2] Empirical Analysis of Video Multicast over WiFi

Yeonchul Shin, Munhwan Choi, Jonghoe Koo (Seoul National University, Korea), Young-Doo Kim, Jong-Tae Ihm (Institute of Network Technology, SK Telecom, Korea), Sunghyun Choi (Seoul National University, Korea)

[5C-3] Architecture of Service Overlay Network Platform for Web-based Multimedia Applications

Eung Kyu Kim, Young Jun Kim, Ilyoung Chong (Hankuk University of Foreign Studies, Korea)

[5C-4] Wireless Display: An Unmet need in CE Ecosystem

Lochan Verma, Scott Seongwook Lee (Samsung Electronics, Korea)

[5C-5] Adaptive Radio Resource Allocation with Frequency Reusing for OFDMA Cellular Relay Networks

E. Seyyed Alikhani, B. Mahboobi, M. Ardebilipour (Khajeh Nasir Toosi University, Iran), H. Kheyri (Islamic Azad University, Iran), S. A. Sayed Alikhani (Tarbiat Modares University, Iran)

Keynote Speech

June 16, 2011 (Thursday)

11:20-12:00

Keynote Speech I

Direction of Future Networks and Internet
(Prof. Bijan Jabbari, George Mason University)

June 17, 2011 (Friday)

09:00-09:40

Keynote Speech II

Convergence of Communications and Broadcasting: Multi Screen Services
(Dr. Hojin Lee, SVP of ETRI)

Reservation Information for Holiday Inn Express City Center Dalian

Hotel Web Site : *http://www.hiexpress.com/hotels/us/en/dalian/dlccc/hoteldetail*

Choose Holiday Inn Express Dalian, set between the city's financial and commercial districts, just off the Shugang Road expressway.

Set in a modern high-rise property, the glass-fronted Holiday Inn Express Dalian hotel overlooks the seafront and the mountains. We're located on pedestrianised Tianjin Street, buzzing with trendy shops, and just 100 metres from Zhongshan Square's banks and businesses. You can stroll to Dalian rail station in 10 minutes and take the nearby Shugang Road expressway to Dalian Airport in 30 minutes.

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Save yourself time by making bookings at Holiday Inn Express Dalian's handy Lobby Ticket Office. Our friendly staff are happy to help reserve airline and train tickets, arrange 1-day sightseeing tours and organise entry to lively Shengya Ocean World marine park.

No.189 Tianjin Street, Zhongshan District, Dalian, P.R. China
Tel: +86 411 8813-8888
Fax: +86 411 8281-5069

Transportation To and From Hotel

Map

Dalian Zhoushuizi International Airport (DLC)
• Distance: 9.32 mile/15.0 km NORTH WEST to Hotel
• Taxi fare between Airport and Hotel: around ￥ 30.00 CNY
• Drive east on the Yingke Road for 3 kms then turn right to Shugang Road, continue to go to east turn right onto Caishi Bridge then turn left to Shengli Bridge. Go straight across the bridge the hotel is in the front.

Train
• Station Name: Dalian Railway Station
• Distance: 0.31 mile/0.5 km EAST to Hotel
• Shuttle Charge (one way): ￥ 1.00 CNY
• Taxi Charge (one way): ￥ 8.00 CNY
• Go along Zhongshan Road,turn to Youhao road at the Youhao Square, then at the end of Youhao Road turn right to the Shanghai Road. Go along Shanghai Road you will see it.

Subway
• Subway Station Name: Dalian Light train Station
• Shuttle Charge (one way): ￥ 1.0 CNY
• Taxi Charge (one way): ￥ 8.00 CNY
• Go along Zhongshan road until Youhao Square, turn left to Youhao road. Go down Shanghai road, the hotel located at the right side of the road.