## Session Program (Sep.23, 2011)

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<td>08:00~09:00</td>
<td>Registration</td>
<td>Place: Library, DLPU</td>
<td>Registration Place: Library Hall, DLPU</td>
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<tr>
<td>09:00~09:30</td>
<td>Opening Ceremony</td>
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<td>Chair: Yiping Cui, Place: Library Lecture Hall, DLPU</td>
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| 09:30~10:10| Invited Paper(@40min)             | Place: Library lecture hall, DLPU | **I-1** An applied model to evaluate the comprehensive visual performance of reading lamp, Speaker: Yandan Lin (Fudan University, China)  
**I-2** Lighting and human color perception, Speaker: Hiroyuki SHINOYA (Ritsumeikan University, Japan)  
**I-3** Zhaga standards and Engine development in LED lightings, Speaker: Meeryoung Cho (Korea Institute of Lighting Technology, Korea)  |
| 11:30~12:20| Coffee break and Poster Session   | Place: Library lecture hall |                                                                                   |
| 12:30~13:30| Lunch                              |                        |                                                                                   |
| 13:30~15:00| Oral session (detail in page 2)    | Place: Library lecture hall |                                                                                   |
| 15:00~15:50| Coffee break and Poster Session   | Place: Library lecture hall |                                                                                   |
| 15:50~17:20| Oral session (detail in page 3)    | Place: Library lecture hall |                                                                                   |
| 17:20~17:40| Closing Ceremony                   | Place: Library lecture hall | Closing Address, Best Papers & Best Presentations Awards, Representative of Organizing Committees, Yiping Cui |
| 18:00~20:30| CJK Lighting Symposium Banquet    |                        |                                                                                   |
| 20:30~21:00| Sighting Seeing                   |                        |                                                                                   |
### Topics 1: Solid State Lighting and Applications
**Place:** Library lecture hall, DLPU

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<tr>
<td>13:30~13:45</td>
<td>O-1</td>
<td>Theory and practice of creating light art works</td>
<td>Xingwu Chu</td>
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<tr>
<td>13:45~14:00</td>
<td>O-2</td>
<td>Development of a series of flat shaped LED Light Engines with a heat-transfer solution</td>
<td>Jun SASAKI</td>
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<tr>
<td>14:00~14:15</td>
<td>O-3</td>
<td>Lighting Color Control Method for LED Lamp with RGB LEDs</td>
<td>Janghee Yun</td>
<td>Yoshitaka Kenmotsu and Xiong Zhang</td>
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<td>14:15~14:30</td>
<td>O-4</td>
<td>Development of fabrication technology of two-dimensional photonic crystal for light-emitting diode</td>
<td>Xiong Zhang</td>
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<tr>
<td>14:30~14:45</td>
<td>O-5</td>
<td>Quantification of Glare Levels of Street Lighting Fixtures Using LED Light Sources</td>
<td>Toshihide MORI</td>
<td></td>
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<tr>
<td>14:45~15:00</td>
<td>O-6</td>
<td>Design of light collimator for LEDs in near-field</td>
<td>Jae Young Joo</td>
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### Topics 2: Lighting Design and Energy Efficiency
**Place:** Library NO.2 Meeting Room, DLPU

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<tr>
<td>13:30~13:45</td>
<td>O-13</td>
<td>Thinking upon Urban Lighting Planning and Energy-saving</td>
<td>Nong Li</td>
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<tr>
<td>13:45~14:00</td>
<td>O-14</td>
<td>New Lighting Design Method for Achieving Electric Power Saving</td>
<td>Yoshiki Nakamura</td>
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<tr>
<td>14:00~14:15</td>
<td>O-15</td>
<td>Promoting Night-time Use of Urban Parks: focusing on the effect of lighting conditions -The case of 13 children's parks located in Nam-gu, Ulsan,Korea-</td>
<td>Hyekyung Kang, Ok-bae, An</td>
<td>An-Seop Choi and shanduan Zhang</td>
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<tr>
<td>14:15~14:30</td>
<td>O-16</td>
<td>Research of LED Landscape Lighting Energy-saving based on Swarm Intelligence</td>
<td>Hui Xiao</td>
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<tr>
<td>14:30~14:45</td>
<td>O-17</td>
<td>Evaluation of Lighting Environment Composed of Multiple Luminaries and Spaces(at the dining space)</td>
<td>Shino OKUDA</td>
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<tr>
<td>14:45~15:00</td>
<td>O-18</td>
<td>Decision of lighting power density for office lighting regarding luminaire types</td>
<td>Kim, Hoon</td>
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<td>Time</td>
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<td>Title</td>
<td>Speaker</td>
<td>Session Chairs</td>
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<tr>
<td>15:50~16:05</td>
<td>O-7</td>
<td>Effects of dimming control method on human vision in LED light source dimming</td>
<td>Cao Fan</td>
<td></td>
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<tr>
<td>16:05~16:20</td>
<td>O-8</td>
<td>White LED Street Lighting for Expressways</td>
<td>Kazuki Yasumoto</td>
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<td>16:20~16:35</td>
<td>O-9</td>
<td>LED: From innovation to value creation</td>
<td>Xiang Zhou</td>
<td>Nianyu Zou and Jeongd uk Ryeom</td>
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<tr>
<td>16:35~16:50</td>
<td>O-10</td>
<td>The Application of LED in Landscape Lighting[ Weihai Tashan Park Lighting Design</td>
<td>Lingyu Kong</td>
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<td>16:50~17:05</td>
<td>O-11</td>
<td>A study of sophisticated lighting on the entrance and exit ramps of urban expressways</td>
<td>Hiroaki Hattori</td>
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<td>17:05~17:20</td>
<td>O-12</td>
<td>A Study on the measuring Solid State Lighting product Correlated Color Temperature using Colorimeter Spatially Scanned</td>
<td>Ki Jin Kwon</td>
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**Topics 2: Lighting Design and Energy Efficiency**

Place: Library NO.2 Meeting Room, DLPU

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<tr>
<td>15:50~16:05</td>
<td>O-19</td>
<td>Electric property difference of low-wattage ceramic metal halide lamps dosed different composition of salts</td>
<td>Yingdong Wei</td>
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<tr>
<td>16:05~16:20</td>
<td>O-20</td>
<td>Simplified calculating Model of Floor Illuminance in Fire Smoke in consideration of Smoke Adhesion</td>
<td>Yuki Akizuki</td>
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<td>16:20~16:35</td>
<td>O-21</td>
<td>The Suggestion of new PV Systems’ Concept and Analysis of Application for Bridge Nightscape Energy Savings</td>
<td>An-Seop Choi</td>
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<td>16:35~16:50</td>
<td>O-22</td>
<td>Evaluation on the PTOTO-biological effects of light sources</td>
<td>Shanduan Zhang</td>
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<tr>
<td>16:50~17:05</td>
<td>O-23</td>
<td>Optical Design of LED Road Lamps with Nonsymmetrical Light Distribution</td>
<td>Min Cheng</td>
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<tr>
<td>17:05~17:20</td>
<td>O-24</td>
<td>The Development of Harmonic injection Circuit for Capacitor Reduction Method of Active PFC</td>
<td>Jin-wan Yoo</td>
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## Poster session

**Place:** Library lobby  
**Times:** 11:30~12:20 and 15:00~15:50

*The poster are exhibited until the end of oral session*

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<td>New Light and New Energy Sources are Very Important for Development of Low-carbon Economy</td>
<td>Yuzhi Xue</td>
</tr>
<tr>
<td>P-2</td>
<td>Inhibition of photo-reactivation of E.coli by the Medium-pressure mercury UV Lamps</td>
<td>Akiko Kuraya</td>
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<tr>
<td>P-3</td>
<td>New approaching method to reduce the ATHD in single stage PFC for LED lighting</td>
<td>Gyehyun Cho, In-ki Park, Seung-uk Yang, Hyun-chul Eom, Young-Bae Park</td>
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<tr>
<td>P-4</td>
<td>Study on strain-compensated InGaN-AlGaN quantum well light emitting diode</td>
<td>Wei-jun Li</td>
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<tr>
<td>P-5</td>
<td>LED lighting facilities of a new building</td>
<td>Toru HISHIDA</td>
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<tr>
<td>P-6</td>
<td>Development of Local Driving System for Flat LED Lamp using Ultrasonic Sensors</td>
<td>Sungho Yoo, Janghee Yun, Jeasun Yang, Jeongduk Ryeom</td>
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<tr>
<td>P-7</td>
<td>Study of ignition circuitries for gas discharge lamps</td>
<td>Red Cao</td>
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<td>P-8</td>
<td>A Study of Step-Dimmable Induction Lamp System</td>
<td>Ryusuke Ura</td>
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<td>P-9</td>
<td>A study on illuminance distribution of LED-fish attracting system depending on lighting intensity and hanging angles</td>
<td>Bong Man Jung,Il-Soo Chun, Sung-Hwan Kang, Young-II An</td>
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<tr>
<td>P-10</td>
<td>A critical review on patterned sapphire substrates for GaN-based LEDs</td>
<td>Peiyuan Zhang, Hongjun Chen, Cancan Wang, Yun Li, Lishu Wu, Xiong Zhang,* and Yiping Cui</td>
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<tr>
<td>P-11</td>
<td>A study of lighting circuit for LED lighting equivalent to 60W type incandescent lamp</td>
<td>Akira Nakajo</td>
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<td>P-12</td>
<td>LED Headlamp control of electric Forklifts</td>
<td>Jung-Ho Hwang, Chan-Soo Chung</td>
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<tr>
<td>P-13</td>
<td>The lighting design teaching of Guangzhou academy of fine arts</td>
<td>Li Guang (LEON)</td>
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<tr>
<td>P-14</td>
<td>RGB color LED lighting improvable eyesight damage caused by presbyopia</td>
<td>Taihua LI</td>
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<td>P-15</td>
<td>Effect of Thermal Dissipation by Adding Graphene Materials to Surface Coating of LED Lighting Module</td>
<td>Myung-Keun Hwang, Steven Kim, Jong-Hyun Kim, Ki-Tae Kwon, Jung-Hyun Kim, Jong-Yun Jeong, Yun-Jung Kim, In-Tae Kim, Gwang-Seop Cho</td>
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<td>P-16</td>
<td>Effects of Different Spectral Lights on Oncidium PLBs Induction, Proliferation, and Plant Regeneration</td>
<td>Zhigang Xu</td>
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<td>P-17</td>
<td>Study on improvement of quantity of light emitted from LED by pulse driving</td>
<td>Takahiro ARAI</td>
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<td>P-18</td>
<td>The Flicker-less dimming system for stage lighting</td>
<td>Kwang-hyun Jung, Dong-seok Shin, Jin-wan Yoo, Chong-yeun Park</td>
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<td>P-19</td>
<td>Status analysis and evaluation of technical criteria on LED Downlights</td>
<td>Yue Yang, Xiaohong Shi</td>
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<td>System for displaying fog density using colour mixing due to light veiling</td>
<td>Kazushige Nakamura</td>
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<td>P-21</td>
<td>The LED junction temperature estimation method and temperature compensation system</td>
<td>Young-min Choi, Chong-yeun Park</td>
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<td>Determination of LED’s total luminous flux using a narrow beam standard</td>
<td>Xiaoli Zhou, Haiping Shen, Wanlu Zhang, Muqing Liu</td>
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<td>P-23</td>
<td>Fundamental Research on the New Lighting Design Concept “Appreciate Lights”</td>
<td>Mio NAKAMURA</td>
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<td>The implementation method of dimmable LED driver using MC56F8006</td>
<td>Wang-seop Choe, Jae-wook Song, Chong-yeun Park</td>
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<td>MEASUREMENT AND ANALYSIS OF CHROMATICITY CHARACTERISTICS FOR DIFFERENT COLOR LEDS</td>
<td>Xin He, Guanying Cao, Nianyu Zou</td>
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<td>P-26</td>
<td>Experimental study of outdoor emergency guidance lighting, using distance, luminance, and colour</td>
<td>Michico Iwata</td>
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<td>Thermal dissipation behaviour of the high-power, multi-chip LED package</td>
<td>Cheol-Hee Moon, Byunh-Ho Kim, Hyun-Soo Choi</td>
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<td>Preparation and Luminescence Properties of Tungstate Phosphors for White LED</td>
<td>Haifeng Lin 1, guangxi Liu 2, Ruixi Zhang 2, Yuehua Zhu 2, Haibo Wang 2</td>
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<td>Study of LED diffusion capabilities and the effects of brightness and glare in daylight color and incandescent color instances</td>
<td>Yuta Ishigami</td>
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<td>Subjective Evaluation for LED Lights for Various CCT Focused on the Brightness</td>
<td>An-Seop Choi, In-Hyun Jang, Min-Jeong You</td>
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<td>The research progress and application of high frequency electrodeless lamp</td>
<td>Yuehua Zhu, Ruxi Huang, Peng Chen, Haibo Wang</td>
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<td>Study on Effect of Color Rendering for Lighting of Urban nightscapes in a Snowy Region</td>
<td>Jia Chen</td>
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<td>A Study on the Development of Optical Design algorithm for Plannar LEDs Luminaire</td>
<td>An-Seop Choi, Yu-Sin Kim, In-Tae Kim</td>
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<td>Frequency and current dependence of the electrode temperature of HID lamps</td>
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<td>Color Perception of Elderly for the LED Display Board</td>
<td>Yoshio Nakashima</td>
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<td>A Study on the Reduction of Conducted Noise Emission from an Interior LED Lighting Module with SCR Dimming Control</td>
<td>Yang-Bae Kim, Chan-Soo Chung, Jung-Ho Hwang</td>
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<td>Research on the radiant efficiency of positive column in high loaded low pressure mercury discharge lamps</td>
<td>Haojun Zhang, Qiuyi Han, and Shanduan Zhang</td>
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<td>Study on the Visibility of LED display of the &quot;energy-saving type&quot;</td>
<td>Hiroki Fujita</td>
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<td>Research on the Trends of Measurement about Urban Residential Areas Lighting</td>
<td>Rui Dang, Lixiong Wang, Gang Liu, Xinyun Cui</td>
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<td>Color Temperature for Illumination of Historical Buildings</td>
<td>Lin Ma</td>
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<td>The Design of Cutt-Off fixture in the luminaries to reduce the glare of bollard-typed LED guide lighting for crosswalk</td>
<td>Joung Wook Park, Jin Woo Ok, Jae Young Joo, Sang Bin Song, Jin Pyo Hong, Jae Pil Kim, Ki Hoon Kim, Wan Ho Kim, Joung Wook Park</td>
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<td>Development of ceramic metal halide lamp with long life</td>
<td>Yasuhisa Matsumoto</td>
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<td>Development of LED Explosion-proof Luminaires for the High Ceiling</td>
<td>Gi-Hoon Kim, Sung-Joong Kim, Sang-Bin Song, Seong Eun Cho, Jong Chan Lee</td>
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<td>Adaptability analysis of night landscape lighting illumination of Chinese ancient architecture in urban core areas</td>
<td>Mingyu Zhang, Lixiong Wang, Gang Liu, Guohui Ren</td>
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<td>Appropriate light distributed and energy saved high-power LED floodlight fixtures for outdoor use</td>
<td>Yuuya Murakami</td>
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<td>The Comparison of Color Perception among the Korean, Chinese and Japanese undergraduates</td>
<td>Young-mi Jo, Ok-hee An</td>
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<td>Subjective experiment on glare sensitivity caused by blue light at peripheral vision</td>
<td>Etsuko Mochizuki</td>
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<td>Comparison of Measuring Methods of Adaptation Luminance at Threshold Zone of the Korean Tunnel Road</td>
<td>Jong-Sung Han, Min-Wook Lee, Hoon Kim</td>
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<td>Pulsed light at lower duty ratios with lower frequencies is disadvantageous for CO2 uptake in cos lettuce compared to continuous light</td>
<td>Tomohiro JISHI</td>
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<td>Development of Total Measurement System for Designing and Analysing Lightings</td>
<td>Jin Pyo Hong, Joung Wook Park, Jae Young Joo, Sang Bin Song, Jae Pil Kim, Ki Hoon Kim</td>
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<td>Paper ID</td>
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<td>P-52</td>
<td>Evaluating Performance of Day Lighting for Gymnasium in Highly Luminous Climates</td>
<td>Yu Bian¹, Yuan Ma²</td>
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<td>Research on the Design of New Optical System of LED Cap Lamp</td>
<td>Qing Liu, Yuncui Zhang, Nianyu Zou, Yingming Gao, Guanying Cao, Fan Cao, Xin He</td>
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<td>P-55</td>
<td>Odong-island music fountain project</td>
<td>Hyun Kyung Bin</td>
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<td>Surveying and measurement on Urban habitation lighting environment in DALIAN</td>
<td>Ming Liu, Yue Fan, Xiaohan Pan, Jie Yuan, ling Ma</td>
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<td>Design of Target Luminous Intensity Distribution and Road Lighting Calculation by Classification Method of Exterior Lighting Luminaires in the IESNA</td>
<td>Gi-Hoon Kim, Sung-Joong Kim, joung-wook Park, Jae-young joo, Sang-Bin Song</td>
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<td>P-58</td>
<td>A study on enhance eco-friendly LED light bulbs for the incandescent light bulb-shaped design</td>
<td>Ee, Sang Hoon</td>
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<td>Economic evaluation of LED office lighting using LCC method</td>
<td>Kim, Hoon, Lee, Min-Wook, Cho, Sook-Hyun</td>
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<td>Dae Seub Choi</td>
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<td>Chao Wang</td>
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**Residential Lighting Poster Session corner**

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<td>Analysis of current residential lighting based on the questionnaires</td>
<td>Xing Ming, Guanying Cao</td>
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<td>P-RL2</td>
<td>Actual condition and problem of lighting in the living room in Japan</td>
<td>Masako Miyamoto</td>
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<td>P-RL-3</td>
<td>A Research on the Actual Conditions of Living Room Lighting in Daegu and Gyeongbuk Districts</td>
<td>Ok-hee, An, Young-mi, Jo, Kwang-sik, Lee</td>
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<td>P-RL-4</td>
<td>Investigation and analysis on Residential lighting environment in Dalian</td>
<td>Sun Mingming, Zhang Yuncui, Yuan Yue, Jia Min, Wang Yanran, ZouNianyu</td>
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<td>P-RL-5</td>
<td>Evaluation of Lighting Environment Composed of Multiple Luminaries and Space(at the kitchen space)</td>
<td>Naoya HARA</td>
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<td>P-RL-6</td>
<td>A study of living room and kitchen lighting of Korean apartments larger than 130m²</td>
<td>Hyun-Ji Kim, Hoon Kim</td>
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<td>P-RL-7</td>
<td>The study on the task and ambient lighting -The effects of task lighting area and the front wall illuminance-</td>
<td>Haruka Maruyama</td>
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<td>P-RL-8</td>
<td>A Literature study housing light ; Focusing on the domestic research</td>
<td>Ok-hee, An, Mi-seung Baek, In-hy, Lee</td>
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<td>P-RL-9</td>
<td>The influence of light source on spatial evaluation and the ease of performing activities comparison with Japanese student and international student</td>
<td>Michiko Kunishima</td>
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<td>P-RL-10</td>
<td>Intelligent Lighting Control Algorithm with Learning of Human's Life Pattern</td>
<td>Zhang Jie, Ahn Doo-Heon, Kim Hwa-jong</td>
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<td>P-RL-11</td>
<td>The influence of the season and the correlated colour temperature of lamp on brightness and impression of lighting quality</td>
<td>Kyoko ISHIDA</td>
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