<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00</td>
<td>OPENING CEREMONY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:10</td>
<td>Keynote:</td>
<td>Gertrud Olsson, SE</td>
<td>ONE HUNDRED YEARS OF CIE AND EVOLUTION OF LIGHTING</td>
</tr>
<tr>
<td>09:40</td>
<td>OP01</td>
<td>Verena Schindler, FR</td>
<td>ONE AND A HALF MILLENNIUM OF COLOURED LIGHT</td>
</tr>
<tr>
<td>10:00</td>
<td>OP02</td>
<td>Steve Fotios, GB</td>
<td>ON THE IMPACT OF DIFFERENT KIND OF LIGHTS AS SEEN BY FRENCH PAINTERS AROUND 1900</td>
</tr>
<tr>
<td>10:45</td>
<td>COFFEE BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>OP03</td>
<td>Ambroise Romnée, BE</td>
<td>A NEW REAL TIME INTELLIGENT MANAGEMENT MODEL FOR STREET LIGHTING</td>
</tr>
<tr>
<td>11:25</td>
<td>OP04</td>
<td>Ingrid Heynderickx, NL</td>
<td>ESTIMATING EYE ADAPTATION FOR TYPICAL LUMINANCE VALUES IN THE FIELD OF VIEW WHILE DRIVING IN URBAN STREETS</td>
</tr>
<tr>
<td>12:00</td>
<td>LUNCH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Monday, April 15**

**Morning**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 - 09:10</td>
<td>OPENING CEREMONY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09:10 - 09:40</td>
<td>Keynote:</td>
<td>Gertrud Olsson, SE</td>
<td>ONE HUNDRED YEARS OF CIE AND EVOLUTION OF LIGHTING</td>
</tr>
<tr>
<td>09:40 - 10:00</td>
<td>OP01</td>
<td>Verena Schindler, FR</td>
<td>ONE AND A HALF MILLENNIUM OF COLOURED LIGHT</td>
</tr>
<tr>
<td>10:00 - 10:20</td>
<td>OP02</td>
<td>Steve Fotios, GB</td>
<td>ON THE IMPACT OF DIFFERENT KIND OF LIGHTS AS SEEN BY FRENCH PAINTERS AROUND 1900</td>
</tr>
<tr>
<td>10:20 - 10:45</td>
<td>COFFEE BREAK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:45 - 11:00</td>
<td>OP03</td>
<td>Ambroise Romnée, BE</td>
<td>A NEW REAL TIME INTELLIGENT MANAGEMENT MODEL FOR STREET LIGHTING</td>
</tr>
<tr>
<td>11:00 - 11:25</td>
<td>OP04</td>
<td>Ingrid Heynderickx, NL</td>
<td>ESTIMATING EYE ADAPTATION FOR TYPICAL LUMINANCE VALUES IN THE FIELD OF VIEW WHILE DRIVING IN URBAN STREETS</td>
</tr>
<tr>
<td>11:25 - 11:45</td>
<td>OP05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:45 - 12:00</td>
<td>Discussion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12:00 - 14:00</td>
<td>LUNCH</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Monday, April 15
#### Afternoon

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td>OP06</td>
<td>SEMANTIC INTERPRETATION OF COLOUR RENDERING INDICES AND COLOUR FIDELITY INDICES: A COMPARISON OF CRI AND CRI2012</td>
<td>Peter Bodrogi, DE</td>
</tr>
<tr>
<td>14:15</td>
<td>OP12</td>
<td>LIGHT AS A MOTOR FOR INNOVATION AND WELLBEING</td>
<td>Andreea Biro, RO</td>
</tr>
<tr>
<td>14:00</td>
<td>OP13</td>
<td>THE RHYTHM OF THE SUN VS MODERN LIFE AND CULTURE IN SUN EXPOSURE FOR VITAMIN D SYNTHESIS</td>
<td>Ann Webb, GB</td>
</tr>
<tr>
<td>14:15</td>
<td>OP19</td>
<td>SUITABLE LUMINOUS ENVIRONMENT FOR VARIOUS ACTIVITIES IN SHARED OFFICE</td>
<td>Celine Villa, FR</td>
</tr>
<tr>
<td>14:30</td>
<td>OP08</td>
<td>A STUDY OF COLOR RENDERING PROPERTIES BASED ON COLOR PREFERENCE OF OBJECTS IN ADAPTATION TO LED LIGHTING</td>
<td>Yoshie Imai, JP</td>
</tr>
<tr>
<td>14:45</td>
<td>OP14</td>
<td>APPLICATION STUDIES ON NON-VISUAL EFFECTS OF LIGHT WITH TRADITIONAL AND SOLID STATE LIGHT SOURCES</td>
<td>Andreas Wojtysiak, DE</td>
</tr>
<tr>
<td>14:30</td>
<td>OP15</td>
<td>VISUAL AND NON-VISUAL EFFECTS OF DIFFERENT SPECTRAL POWER DISTRIBUTIONS FROM LIGHT SOURCES - LIGHT EMITTING DIODES (LED) VS. 3-PHOSPHORUS FLUORESCENT TUBES</td>
<td>Tommy Goven, SE</td>
</tr>
<tr>
<td>14:45</td>
<td>OP16</td>
<td>SIMULATION OF THE RETINA RESPONSE TO MESOPIC VISUAL SCENES</td>
<td>Justine Decuypere, BE</td>
</tr>
<tr>
<td>15:00</td>
<td>OP17</td>
<td>BLUE-LIGHT HAZARD OF LEDS - COMPARISON OF THE PHOTOBIOLOGICAL RISK GROUPS OF FIFTEEN LEDS ASSESSED USING THE STANDARD PROTOCOL AND A NEW SPECTRAL IMAGING APPROACH</td>
<td>Pierre Boulanguez, FR</td>
</tr>
<tr>
<td>15:15</td>
<td>OP18</td>
<td>DISCOMFORT GLARE OF WHITE LED SOURCES OF DIFFERENT SPATIAL ARRANGEMENTS</td>
<td>Miyoshi Ayama, JP</td>
</tr>
<tr>
<td>15:30</td>
<td>OP19</td>
<td>STUDY ON ILLUMINANCE BALANCE BETWEEN WORKING AREA AND AMBIENT EFFECTS OF DISTRIBUTION OF LUMINOUS INTENSITY OF AMBIENT LIGHTING AND THE ORDER AND SPEED OF ADJUSTMENT</td>
<td>Youko Inoue, JP</td>
</tr>
<tr>
<td>15:15</td>
<td>OP20</td>
<td>A STUDY ON THE PERMISSIBLE RANGE OF UNIFORMITY BY AMBIENT LIGHTING IN A WORKPLACE</td>
<td>Naoyuki Suzuki, JP</td>
</tr>
<tr>
<td>15:30</td>
<td>OP21</td>
<td>REVIEW OF OFFICE LIGHTING RESEARCH</td>
<td>Annika Kronqvist, SE</td>
</tr>
</tbody>
</table>

**Discussion**

**COFFEE BREAK (during Poster Viewing)**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Chair</th>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Chair</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30</td>
<td>OP24</td>
<td>WHAT WE KNOW ABOUT WINDOWS AND WELL-BEING AND WHAT WE NEED TO KNOW</td>
<td>Jennifer Veitch, CA</td>
<td>08:30</td>
<td>OP25</td>
<td>A ROADMAP FOR UPGRADE NATIONAL/EU STANDARDS FOR DAYLIGHT IN BUILDINGS</td>
<td>John Mardaljevic, GB</td>
<td>08:50</td>
</tr>
<tr>
<td>08:50</td>
<td>OP26</td>
<td>FLICKER IN SOLID-STATE LIGHTING: MEASUREMENT TECHNIQUES AND PROPOSED REPORTING AND APPLICATION CRITERIA</td>
<td>Naomi Miller, US</td>
<td>09:10</td>
<td>OP27</td>
<td>THE REBOUND EFFECT - AN OVERVIEW OF THE IMPLICATIONS FOR LIGHTING ENERGY</td>
<td>Jonathan Porritt, GB</td>
<td>09:50</td>
</tr>
<tr>
<td>09:10</td>
<td>OP28</td>
<td>INVESTIGATION OF GAZE PATTERNS IN DAYLIT WORKPLACES: USING EYE TRACKING METHODS TO OBJECTIFY VIEW DIRECTION AS A FUNCTION OF LIGHTING CONDITIONS</td>
<td>Marilyme Andersen, CH</td>
<td>09:10</td>
<td>OP29</td>
<td>STRAY LIGHT CORRECTION IN GONIOPHOTOMETRY MEASUREMENT</td>
<td>Jianping Wang, CN</td>
<td>10:10</td>
</tr>
<tr>
<td>09:50</td>
<td>OP30</td>
<td>LIGHTING AND DAYLIGHTING QUALITY: CRITICAL REVIEW OF CRITERIA AND RECOMMENDATIONS AND ITS INSERTION IN BRAZILIAN CONTEXT</td>
<td>Cláudia Amorim, BR</td>
<td>10:10</td>
<td>OP31</td>
<td>DETERMINATION OF SCANNING RESOLUTION BASED ON NYQUIST SAMPLING THEOREM IN GONIOSPECTORADIOMETRY</td>
<td>Cong Chen, CN</td>
<td>11:10</td>
</tr>
<tr>
<td>11:00</td>
<td>OP36</td>
<td>INVESTIGATION OF GAZE PATTERNS IN DAYLIT WORKPLACES: USING EYE TRACKING METHODS TO OBJECTIFY VIEW DIRECTION AS A FUNCTION OF LIGHTING CONDITIONS</td>
<td>Marilyme Andersen, CH</td>
<td>11:10</td>
<td>OP37</td>
<td>CAPTURING THE USER EXPERIENCE OF ELECTROCHROMIC GLAZING IN AN OPEN PLAN OFFICE</td>
<td>Ruth Kelly, GB</td>
<td>11:25</td>
</tr>
<tr>
<td>11:10</td>
<td>OP38</td>
<td>JUST SUFFICIENT LIGHTING CONDITION UNDER HYBRID-LIGHTING OF REAL DAYLIGHT AND ARTIFICIAL LIGHT</td>
<td>Yoshiki Nakamura, JP</td>
<td>11:10</td>
<td>Discussion</td>
<td></td>
<td></td>
<td>11:40</td>
</tr>
<tr>
<td>11:40</td>
<td>Discussion</td>
<td></td>
<td></td>
<td>11:40</td>
<td>Discussion</td>
<td></td>
<td></td>
<td>12:00</td>
</tr>
<tr>
<td>12:00</td>
<td>Discussion</td>
<td></td>
<td></td>
<td>12:00</td>
<td>LUNCH</td>
<td></td>
<td></td>
<td>14:00</td>
</tr>
<tr>
<td>Time</td>
<td>Session</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:00-</td>
<td><strong>LED Photometry and Performance of Photometers</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP40 Roman Dubnicka, SK&lt;br&gt;ANALYSIS OF PERFORMANCE PARAMETERS OF ILLUMINANCE METERS PER CIE DS 023 QUALITY INDICES FOR SPECIFIC FIELD MEASUREMENTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP44 Dionyz Gasparovsky, SK&lt;br&gt;LIGHTING PROPERTIES AND EFFICIENCY OF LUMINAIRES EXCEEDING THEIR LIFE TIME</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP48 Raphael Labayrade, FR&lt;br&gt;VISUAL QUALITY ASSESSMENT OF LED SPOTS IN COMPARISON TO LOW-VOLTAGE HALOGEN SPOTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td><strong>Lighting the City - Luminaires and Design</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP41 Christophe Martinsons, FR&lt;br&gt;INFLUENCE OF CURRENT AND VOLTAGE HARMONIC DISTORTION ON THE POWER MEASUREMENT OF LED LAMPS AND LUMINAIRES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP45 Yukio Akashi, JP&lt;br&gt;VISUAL MECHANISMS OF DISCOMFORT GLARE SENSATION CAUSED BY LEDS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP49 Chao-Hua Wen, TW&lt;br&gt;ASSESSING COLOR HARMONY IN A ROOM USING LED LIGHTINGS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td><strong>Concepts in Lighting Quality</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP42 Udo Krüger, DE&lt;br&gt;SPECTRAL MISMATCH CORRECTION FACTOR ESTIMATION FOR WHITE LED SPECTRA BASED ON THE PHOTOGRAMMETER'S F' VALUE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP46 Xiaoyan Zhu, CN&lt;br&gt;The luminaire beam-shape influence on discomfort glare from led road lighting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP50 Chloé Pagot, FR&lt;br&gt;EVALUATION OF INDOOR LIGHTING SITUATIONS IN PUBLIC ACCESS BUILDINGS AND OUTDOOR SITUATIONS AT NIGHT BY VISUALLY IMPAIRED PEOPLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP43 Petri Kärhä, FI&lt;br&gt;RADIOMETRIC DETERMINATION OF THE JUNCTION TEMPERATURE OF AN LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP47 Mathias Niedling, DE&lt;br&gt;INFLUENCE OF A GLARE SOURCES SPECTRUM ON DISCOMFORT AND DISABILITY GLARE UNDER MESOPIC CONDITIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14:15-</td>
<td>OP51 Nozomu Yoshizawa, JP&lt;br&gt;A STUDY ON THE APPEARANCE OF PAINTINGS IN THE MUSEUM UNDER VIOLET AND BLUE LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:00-</td>
<td>Discussion (Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:20-</td>
<td><strong>discuss</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:50-</td>
<td><strong>COFFEE BREAK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:50-</td>
<td><strong>Brightness and Colour, Individual or Shared Percepts</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:50-</td>
<td>OP52 Abhijit Sarkar, US&lt;br&gt;COLORIMETRIC OBSERVER CATEGORIES AND THEIR APPLICATIONS IN COLOR AND VISION SCIENCES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:50-</td>
<td>OP55 Katja Bülow, DK&lt;br&gt;INTEGRATION OF RHYTHMIC URBAN LIGHTING INTO ARCHITECTURAL CONCEPTS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15:50-</td>
<td>OP58 Shau-Wei Hsu, TW&lt;br&gt;RELATIONS BETWEEN FLICKER GLARE AND PERCEPTUAL RATINGS OF LED BILLBOARDS UNDER VARIOUS CONDITIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:05-</td>
<td><strong>Lighting the City - Spaces</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:05-</td>
<td>OP53 Janos Schanda, HU&lt;br&gt;INDIVIDUAL CHANGES OF BRIGHTNESS PERCEPTION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:05-</td>
<td>OP56 Roselane Bezerra, PT&lt;br&gt;REINVENTING URBAN SPACES THROUGH LIGHT AND COLOUR: CACILHAS PROJECT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:05-</td>
<td>OP59 Pin-Hsuan Hsieh, TW&lt;br&gt;FLICKER AND VISUAL COMFORT EVALUATIONS OF LED PANEL DISPLAY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:20-</td>
<td><strong>Well-being, Glare and Comfort</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:20-</td>
<td>OP54 Miki Kozaki, JP&lt;br&gt;A PROPOSAL OF PREDICTIVE EQUATION FOR “SPATIAL BRIGHTNESS” CONSIDERING THE EFFECT OF LOOKING AROUND AND ITS APPLICATION TO REAL PROJECT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:20-</td>
<td>OP57 Thomas Conniasselle, BE&lt;br&gt;IMPRESSION OF LIGHT AND FEELING OF SECURITY IN THE CITY - EXPERIMENTING MESOPIC VISION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:20-</td>
<td>OP58 Chao-Hua Wen, TW&lt;br&gt;INVESTIGATION OF DISCOMFORT GLARE OF RGB LED BILLBOARD AT NIGHT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:35-</td>
<td><strong>Discussion</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:50-</td>
<td><strong>Keynote presentation</strong>&lt;br&gt;(Chair: TBD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16:55-</td>
<td><strong>Closing Ceremony</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Colour Key**

- **DAY**
- **TOPIC**
- **KEYNOTE SPEECH / PLENARY TALK**
- **POSTER**
- **BREAK**
- **OPENING/CLOSING CEREMONY**
<table>
<thead>
<tr>
<th>SESSION</th>
<th>TITLE</th>
<th>SPEAKER(S)</th>
<th>COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOWARDS A FIELD SIZE INDEPENDENT METAMERISM</td>
<td>Polster, Saskia; Schierz, Christoph</td>
<td>DE</td>
</tr>
<tr>
<td></td>
<td>TESTING A COLOUR-DIFFERENCE FORMULA FOR THE AUTOMOTIVE INDUSTRY USING THE EXPERIMENTAL VISUAL DATASETS EMPLOYED IN CIEDE2000 DEVELOPMENT</td>
<td>Melgosa, Manuel; Gómez-Robledo, Luis; Martínez, Juan; Perales, Esther; Martínez-Verdu, Francisco M.; Dauser, Thomas</td>
<td>ES</td>
</tr>
<tr>
<td></td>
<td>COLOUR RENDERING EVALUATION OF THE LED LIGHT SOURCE BY THE RELATIVE EVALUATION</td>
<td>Kobayashi, Shinji; Komatsubara, Hitoshi; Nasuno, Nobuyuki; Fuchida, Takayoshi; Hashimoto, Kenjiro</td>
<td>JP</td>
</tr>
<tr>
<td></td>
<td>AFFECTIVE EVALUATION ON COLOR SAMPLES ILLUMINATED BY LED LIGHT SOURCES - INFLUENCE OF ILLUMINANCE LEVEL -</td>
<td>Nakajima, Yuki; Fuchida, Takayoshi</td>
<td>JP</td>
</tr>
<tr>
<td></td>
<td>SUBJECTIVE ASSESSMENT OF UNIQUE COLOURS AS A TOOL TO EVALUATE THE QUALITY OF WHITE LIGHT SOURCES.</td>
<td>da Pos, Osvaldo; Fiorentini, Pietro; Scrocarno, Alessandro; Fontana, Carlotta; Guerra, Davide; Gardin, Elana; Filippi, Anna</td>
<td>IT</td>
</tr>
<tr>
<td></td>
<td>COMPUTATIONAL MODELING THE RGB LED COLORS</td>
<td>Park, Seung O.; Kim, Ari; Kim, Hongsuk</td>
<td>KR</td>
</tr>
<tr>
<td></td>
<td>USER EVALUATION OF EIGHT LED LIGHT SOURCES WITH DIFFERENT SPECIAL COLOUR RENDERING INDICES R&lt;sub&gt;sub&gt;9&lt;/sub&gt;</td>
<td>Iversen, Anne; Markvart, Jakob; Logadottir, Asta; Corell, Dennis D.; Thorseth, Anders; Dam-Hansen, Carsten</td>
<td>DK</td>
</tr>
<tr>
<td></td>
<td>SPAN OF FUNDAMENTAL COLORS OF PEOPLE WITH COLOR VISION DEFECT</td>
<td>Sagawa, Ken; Itoh, Nana</td>
<td>JP</td>
</tr>
<tr>
<td></td>
<td>THE COLOR OF WHITE LIGHT</td>
<td>Hertog, Wim; Higuera Portilla, Jorge E.; Perálvarez, Mariano; Carreras, Josep</td>
<td>ES</td>
</tr>
<tr>
<td></td>
<td>AN INTELLIGENT COLOR TEMPERATURE CONVERSION FUNCTION WITH MULTI-PRIMARY COLORS FOR INDOOR SOLID-STATE LIGHTING</td>
<td>Huang, Ting-Wei; Ou-Yang, Mang; Luo, Ronnier</td>
<td>TW</td>
</tr>
<tr>
<td></td>
<td>INFLUENCE OF SPECTRAL POWER DISTRIBUTION OF LIGHT SOURCES ON THE COLOUR APPEARANCE OF GONIOCHROMATIC COLOURS</td>
<td>Perales, Esther; Chorro, Elisabet; Wener, Cramer; Viqueira, Valentin; Gómez, Omar; Martínez-Verdu, Francisco M.</td>
<td>ES</td>
</tr>
<tr>
<td>Mesopic Vision</td>
<td>EFFECT OF HIGH LUMINANCE SOURCES TO PERIPHERAL ADAPTATION STATE IN MESOPIC RANGE</td>
<td>Uchida, Tatsukiyo; Ohno, Yoshi</td>
<td>US</td>
</tr>
<tr>
<td></td>
<td>PUTTING SHADOW INTO NUMBERS</td>
<td>Yao, Hua; Li, Xinwei</td>
<td>CN</td>
</tr>
<tr>
<td></td>
<td>EILV ONLINE – AN EXCELLENT PRINCIPLE</td>
<td>Liljefors, Anders</td>
<td>SE</td>
</tr>
<tr>
<td></td>
<td>THE LIGHT DIRECTION AND DIRECTIONAL LIGHT—TOWARDS A NEW QUANTIFICATION OF AN ESSENTIAL LIGHTING QUALITY CRITERION</td>
<td>Liedtke, Carolin; Völker, Stephan; Knoop, Martine</td>
<td>DE</td>
</tr>
<tr>
<td></td>
<td>LAMPS TECHNOLOGY AND APPEARANCE OF OBJECTS</td>
<td>Kirschbaum, Carlos</td>
<td>AR</td>
</tr>
<tr>
<td>D2 - Measurement</td>
<td>LIGHT DIFFUSING POWER OF TRANSLUCENT GLAZING</td>
<td>Matusiak, Barbara S.</td>
<td>NO</td>
</tr>
<tr>
<td>Measurement of Material</td>
<td>EVALUATION OF REFLECTIVE AND TRANSPARENT DISPLAYS USING BRDF/BTDF MEASUREMENT SYSTEM</td>
<td>Hwang, Jisoo; Lee, Dong-Hoon</td>
<td>KR</td>
</tr>
<tr>
<td></td>
<td>BI-DIRECTIONAL SCATTERING DISTRIBUTION DATA OF SOLAR SHADING : CHARACTERIZATION AND PERFORMANCES</td>
<td>Deneyer, Arnaud; Deroisy, Bertrand</td>
<td>BE</td>
</tr>
<tr>
<td></td>
<td>MEASUREMENT OF TYPICAL ROAD SURFACE REFLECTANCE IN CHINA</td>
<td>Li, Wenyi; Zeng, Xu; Cheng, Wenting; Demirdes, Nurullah Haldun; Heynderickx, Ingrid; Heynderickx, Ingrid; Liu, Muqing; Shen, Haiping</td>
<td>CN</td>
</tr>
<tr>
<td></td>
<td>SPECTRAL SELECTIVITY FROM WHITE SURFACES</td>
<td>Elvo, Burini Junior C.; José Domingo, Sandoval; Sergio R., Gor</td>
<td>BR</td>
</tr>
<tr>
<td>Measurement of LEDs</td>
<td>ANALYSIS OF THE OPTICAL AND ELECTRICAL PROPERTIES FOR LED BULBS BASE ON THE STANDARD FOR THE OMNIDIRECTIONAL LAMP</td>
<td>Kim, Yu-sin; Bae, Ho-Jun; Kim, Gi-Hoon; Song, Sang-Bin</td>
<td>KR</td>
</tr>
<tr>
<td>Paper ID</td>
<td>Title</td>
<td>Authors</td>
<td>Country</td>
</tr>
<tr>
<td>----------</td>
<td>-----------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PP024</td>
<td>DESIGN OF INTEGRATED LENS WITH 140 DEGREE VIEWING ANGLE FOR EXPLOSION PROOF LED LAMP IN THE SHIP</td>
<td>Kim, Gi-Hoon; Kim, Sung-Joong; Kim, Jae-pil; Song, Sang-Bin</td>
<td>KR</td>
</tr>
<tr>
<td>PP025</td>
<td>COST EFFECTIVE ENERGY SAVING INTELLIGENT LED TUBELIGHTS FOR RETROFIT APPLICATIONS IN DEVELOPING NATIONS</td>
<td>Ramesh, Shailesh K.</td>
<td>IN</td>
</tr>
<tr>
<td>PP026</td>
<td>OPTIMAL THERMAL MANAGEMENT OF LED LIGHTING SYSTEMS REGARDING EFFICIENCY AND COSTS</td>
<td>Tarbeyevskaya, Alena; Herbold, Christian; Hornberg, Alexander; Neumann, Cornelius; Schiers, Christoph</td>
<td>DE</td>
</tr>
<tr>
<td>PP027</td>
<td>APPLICATION OF LIGHT-EMITTING DIODES IN OPTICAL METROLOGY</td>
<td>Lee, Dong-Hoon; Park, Seongchong; Shin, Dong-Joo; Kim, Seung-Kwan; Jeong, Ki-Lyong; Mahmoud, Khaled; Park, Seung-Nam</td>
<td>KR</td>
</tr>
<tr>
<td>PP028</td>
<td>SPATIAL COLOR DISTRIBUTION OF WHITE LED LUMINAIRES</td>
<td>Bensel, Silvia; Völker, Stephan</td>
<td>DE</td>
</tr>
<tr>
<td>PP029</td>
<td>EVALUATION OF LED SOURCE DEGRADATION</td>
<td>Govorov, Pylpy P.; Romanova, Tetiana; Nosanov, Mikola; Pylpychuk, Roman; Korol, Olga</td>
<td>UA</td>
</tr>
<tr>
<td>PP030</td>
<td>THE FEATURES OF THE TESTING PROGRAM FOR LED LUMINAIRES AT VNIS TESTING CENTRE</td>
<td>Bartsiev, Alexey; Stolyarevskaya, Raisa; Belyaev, Roman</td>
<td>RU</td>
</tr>
<tr>
<td>PP031</td>
<td>SIMULATION STUDY ON RGB BASED COLOR TEMPERATURE TUNABLE LED LIGHTING SYSTEM</td>
<td>J, Lokesh</td>
<td>IN</td>
</tr>
<tr>
<td></td>
<td><strong>Measurement Systems</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP032</td>
<td>CHARACTERIZATION OF A PHOTOPIC-SCOTOPIC LUMINANCE METER FOR MEASUREMENTS IN THE MESOPIC REGION</td>
<td>Shpak, Maksim; Kárhá, Petri; Porrovecchio, Geiland; Smid, Marek; Ikonen, Erkki</td>
<td>FI</td>
</tr>
<tr>
<td>PP033</td>
<td>LOW NOISE DETECTION SYSTEM FOR MESOPIC AND SCOTOPIC PHOTOMETRY</td>
<td>Porrovecchio, Geiland; Shpak, Maksim; Smid, Marek; Kárhá, Petri; Ikonen, Erkki</td>
<td>CZ</td>
</tr>
<tr>
<td>PP034</td>
<td>CALIBRATION OF LIGHT METERS BASED ON RADIOMETRIC- AND ELECTRICAL-StANDARDS</td>
<td>Eppeldauer, George</td>
<td>US</td>
</tr>
<tr>
<td>PP035</td>
<td>EFFECT OF ROTATION AXIS ON THE VALUE OF PHOTOmeter DIRECTIONal RESPONSE INDEX F2</td>
<td>Poikonen, Tuomas; Pulli, Tomi; Kárhá, Petri; Ikonen, Erkki</td>
<td>FI</td>
</tr>
<tr>
<td>PP036</td>
<td>USING OF CCD BASED FIBRE OPTIC SPECTRORADIOMETERS IN PHOTOMETRIC MEASUREMENTS UNDER DIFFERENT CONDITIONS</td>
<td>Dubnicka, Roman; Rusanak, Anton; Pipa, Marek</td>
<td>SK</td>
</tr>
<tr>
<td>PP037</td>
<td>AN IMPROVED CCT-TLF CALIBRATION METHOD FOR SPHERE-SPECTROCIDOMETERS</td>
<td>Pan, Jiangen; Li, Sheng; Li, Qian; Huang, Yan</td>
<td>CN</td>
</tr>
<tr>
<td>PP038</td>
<td>EVALUATION OF AN OPEN HARDWARE COLORIMETER</td>
<td>Bonanomi, Cristian; Calore, Enrico; Gadia, Davide; Rizzi, Alessandro</td>
<td>IT</td>
</tr>
<tr>
<td>PP039</td>
<td>GLARE EVALUATION SYSTEM USING PHOTOGRAPHIC PHOTOMETRY</td>
<td>Yamada, Tetsuji</td>
<td>JP</td>
</tr>
<tr>
<td>PP040</td>
<td>COMPARISON ON TOTAL LUMINOUS FLUX MEASUREMENT OF SPECTROGANIPHOTOMETER AND GONIPHOTOMETER</td>
<td>Zhao, Weiqiang; Liu, Hui; Liu, Jian; Zhao, Haisu; Cui, Tong</td>
<td>CN</td>
</tr>
<tr>
<td>PP041</td>
<td>IMAGING SPECTROPHOTOMETRY WITH A HIGH STABLE AND MONOCHROMATIC LED-BASED TUNABLE SOURCE</td>
<td>Mahmoud, Khaled; Park, Seongchong; Park, Seung-Nam; Lee, Dong-Hoon</td>
<td>KR</td>
</tr>
<tr>
<td></td>
<td><strong>Miscellaneous</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP042</td>
<td>LIGHTING QUALITY AND CHARACTERIZATION OF LAMPS AND LUMINAIRES: BRAZIL GETS READY FOR THE ADVANCEMENT OF SOLID STATE ILLUMINATION</td>
<td>Costa, Claudia L.; Vieira, Rafaela R.; Pereira, Rodrigo C.; Silva, Paulo V.; Oliveira, Ivo Antônio A.; Sardinha, André S.; Viana, Domingos D.; Barbosa, Amanda H.; Souza, Liliane P.; Alvarenga, Ana Paula D.</td>
<td>BR</td>
</tr>
<tr>
<td>PP043</td>
<td>REALIZATION OF THE CANDELA AT INMETRO</td>
<td>Coelho, Carla T.; Alves, Luciana</td>
<td>BR</td>
</tr>
<tr>
<td></td>
<td><strong>D3 - Interior Lighting</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP044</td>
<td>THE DEVELOPMENT OF EVALUATION FOR DISCOMFORT GLARE IN LED LIGHTING OF INDOOR WORK PLACE: THE EFFECT OF THE LUMINANCE DISTRIBUTION OF LUMINOUS PARTS ON SUBJECTIVE EVALUATION</td>
<td>Higashi, Hirokuni; Koga, Shota; Kotani, Tomoko</td>
<td>JP</td>
</tr>
<tr>
<td>PP045</td>
<td>THE DEVELOPMENT OF EVALUATION FOR DISCOMFORT GLARE IN LED LIGHTING OF INDOOR WORK PLACE: THE MODIFICATION OF G-CLASSIFICATION USING LUMINANCE DISTRIBUTION OF LUMINOUS PARTS.</td>
<td>Koga, Shota; Higashi, Hirokuni; Kotani, Tomoko</td>
<td>JP</td>
</tr>
<tr>
<td>PP046</td>
<td>A STUDY ON DEVELOPING VEILING GLARE RATING ACCORDING TO CHARACTERISTICS OF REFLECTED IMAGES ON SCREENS AND HUMAN RESPONSES</td>
<td>Chao, Wei-Cheng; Chiang, Ya-Hu; Tu, HsiaoWen</td>
<td>TW</td>
</tr>
<tr>
<td>Page</td>
<td>Title</td>
<td>Authors</td>
<td>Country</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PP047</td>
<td>WHAT IS VISUAL COMFORT?</td>
<td>Rossi, Laura; Renoux, Dominique</td>
<td>IT</td>
</tr>
<tr>
<td>PP048</td>
<td>VISUAL COMFORT LIGHTING FOR COMPUTER USE AT HOME</td>
<td>Peng, Sheng; Liu, Kangjun; Chen, Yawen; Heynderickx, Ingrid CN</td>
<td></td>
</tr>
<tr>
<td>PP049</td>
<td>SUBJECTIVE RESPONSES TO DIFFERENT LIGHT SOURCES. A STUDY ON LIGHT PREFERENCES AND COMPARISON OF STANDARD LIGHT MEASURES WITH HUMAN INDIVIDUAL ESTIMATES</td>
<td>Bellia, Laura; Barbato, Giuseppe; De Padova, Vittoria; Pedace, Alessia</td>
<td>IT</td>
</tr>
<tr>
<td>PP050</td>
<td>AN INVESTIGATION INTO LUMINOUS COMFORT IN THE SUMMER SEASON OF PALESTINIAN DWELLINGS: INHABITANTS' POINT OF VIEW.</td>
<td>Haj Hussein, Muhammad; Semidor, Catherine</td>
<td>PS</td>
</tr>
<tr>
<td>PP051</td>
<td>TAKING INTO ACCOUNT THE NATURAL LIGHTING IN INTERIOR SPACES OF JEDDAH HISTORICAL HOUSES IN SAUDI ARABIA</td>
<td>Khan, Ahmed A.; Semidor, Catherine</td>
<td>FR</td>
</tr>
<tr>
<td>PP052</td>
<td>A STUDY ON PREFERENCE AND SUBJECTIVE EVALUATION EXPERIMENT FOR ARCHITECTURAL LIGHTING TYPES AND CORRELATED COLOR TEMPERATURE BY RESIDENTIAL SPACE</td>
<td>Lee, Jinsook ; Choi, Jongmoon; Kim, Soyeon; Park, Jiyoung</td>
<td>KR</td>
</tr>
<tr>
<td>PP053</td>
<td>A STUDY ON THE PERCEPTION CHANGE OF FINISHING MATERIAL BY LIGHTING IN RESIDENTIAL SPACE</td>
<td>Gok-Sook, Lee; Ji-Eun, Seo</td>
<td>KR</td>
</tr>
<tr>
<td>PP054</td>
<td>PREFERRED HOME LIGHTING DESIGN</td>
<td>Csuti, Peter; Szabo, Ferenc; Schanda, Janos D.</td>
<td>HU</td>
</tr>
<tr>
<td>PP055</td>
<td>EXPERIMENTAL STUDY ON THE LIGHTING ENVIRONMENT FOR RESIDENTS' DOINGS IN LIVINGROOM</td>
<td>Kim, Hoon; Kim, Hyun-ji; Woo, Seong Jun</td>
<td>KR</td>
</tr>
<tr>
<td>PP056</td>
<td>INFLUENCE OF TECHNICAL PARAMETERS OF LED INDIRECT LIGHTING INSTALLATIONS ON ILLUMINATION PARAMETERS</td>
<td>Pawlak, Andrzej; Zaremba, Krzysztof</td>
<td>PL</td>
</tr>
<tr>
<td>PP057</td>
<td>A STUDY ON SPACING TO HEIGHT RATIO OF CONVENTIONAL FLUORESCENT LUMINAIRES AND LED FLAT LUMINAIRE</td>
<td>Lee, Yoon Chul; Her, Jun; Chae, Sung Gi; Jung, Dong Hwan; Kim, Kang Ho; Cho, Yong-Ick</td>
<td>KR</td>
</tr>
<tr>
<td>PP058</td>
<td>COMPARISON BETWEEN FLUORESCENT AND LED LIGHTING ON VISIBILITY AND VISUAL COMFORT IN SCHOOL CLASSROOMS</td>
<td>Chen, Yawen; Peng, Sheng; Tang, Xiaodan; Heynderickx, Ingrid</td>
<td>CN</td>
</tr>
<tr>
<td>PP059</td>
<td>SUBJECTIVE PREFERENCES FOR LED LIGHTING IN OFFICE</td>
<td>Dangol, Rajendra; Bhusal, Pramod; Puolakka, Marjukka; Halonen, Lisa</td>
<td>FI</td>
</tr>
<tr>
<td>PP060</td>
<td>USER PREFERENCES IN INDOOR LED LIGHTING</td>
<td>Tetri, Eino; Alhaddad, Ahmed I.; Halonen, Lisa</td>
<td>FI</td>
</tr>
<tr>
<td>PP061</td>
<td>A STUDY OF THE SUSTAINED PUPIL RESPONSE UNDER A VARIETY OF LED ILLUMINATIONS</td>
<td>Le Rohellec, Jean; Viénot, Françoise; Anton, Jean-Luc; Nazarian, Bruno; Atta, Dina; Merckel, Olivier; Rosenfeld, Frédérique; Lavédrine, Bertrand</td>
<td>FR</td>
</tr>
<tr>
<td>PP062</td>
<td>DESIGN OF LED (LIGHTING EMITTING DIODES) FOR MUSEUM LIGHTING APPLICATION</td>
<td>Mou, Xi; Berns, Roy S.</td>
<td>US</td>
</tr>
<tr>
<td>PP063</td>
<td>LIGHT EMITTING DIODES IN MUSEUM LIGHTING - COLOR QUALITY REQUIREMENTS FOR VISITORS' ACCEPTANCE</td>
<td>Szabo, Ferenc; Csuti, Peter; Schanda, Janos D.</td>
<td>HU</td>
</tr>
<tr>
<td>PP064</td>
<td>USING LED SOURCES FOR WORKS OF ART LIGHTING</td>
<td>Iacomussi, Paola; Piccablotto, Gabriele; Radiis, Michela; Rossi, Laura; Rossi, Giuseppe</td>
<td>IT</td>
</tr>
<tr>
<td>PP065</td>
<td>SUBJECTIVE AND OBJECTIVE ASSESSMENT ON LED LIGHTING QUALITY FOR MUSEUM SHOWCASES</td>
<td>Pellegrino, Anna; Piccablotto, Gabriele; Aghemo, Chiara</td>
<td>IT</td>
</tr>
<tr>
<td>PP066</td>
<td>MUSEUM OBJECTS ON THE INTERNET, IN PRINT AND IN REALITY</td>
<td>Sik Lamy, Cecilia; Schanda, Janos D.; Nagy, Eszter</td>
<td>HU</td>
</tr>
<tr>
<td>PP067</td>
<td>DYNAMIC LIGHTING SYSTEM WITH LOW CORRELATED COLOUR TEMPERATURE AND HIGH COLOUR RENDERING INDEX FOR MUSEUM LIGHTING OF FRAGILE ARTIFACTS.</td>
<td>Thorseth, Anders; Corell, Dennis D.; Poulsen, Peter B.; Dam-Hansen, Carsten</td>
<td>DK</td>
</tr>
<tr>
<td>PP068</td>
<td>BARRIERS TO PROTECT SENSITIVE ART WORK AT MAC / USP</td>
<td>Elvo, Burini Junior C.; Elias, Rejane; Lavezzo, Ariane; Casatti, Renata; Santos, Emerson R.; Assaf, Leonardo O.</td>
<td>BR</td>
</tr>
<tr>
<td>PP069</td>
<td>EFFECT OF COLOUR TEMPERATURE ON HUMAN DEPENDING ON WEATHER, DAYLIGHT AND TIME - FIELD STUDY IN A SCHOOL</td>
<td>Tralau, Birthe; Schierz, Christoph</td>
<td>AT</td>
</tr>
<tr>
<td>PP070</td>
<td>SIMULATION OF ANNUAL DAYLIGHT PERFORMANCE UNDER HONG KONG REPRESENTATIVE SKIES FOR USINE LIGHTING ENERGY INTELLIGENTLY</td>
<td>Ho, Justin C. K.; Ng, Edward ; Chan, P. W.</td>
<td>HK</td>
</tr>
<tr>
<td>Paper Number</td>
<td>Title</td>
<td>Authors</td>
<td>Country</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PP071</td>
<td>A REVIEW OF HISTORICAL CHANGES IN JAPANESE REGULATIONS AND STANDARDS FOR SUNLIGHT AND DAYLIGHTING</td>
<td>Koga, Yasuko; Miki, Yasuhiro</td>
<td>JP</td>
</tr>
<tr>
<td>PP072</td>
<td>DAYLIGHT AND SOLAR ACCESS AT URBAN SCALE : A METHODOLOGY AND ITS APPLICATION TO A HIGH DENSITY DEVELOPMENT IN BRUSSELS</td>
<td>Deroisy, Bertrand; Deneyer, Arnaud</td>
<td>BE</td>
</tr>
<tr>
<td>PP073</td>
<td>DAYLIGHTING DESIGN TOOL FOR ARCHITECTS</td>
<td>Filetoth, Levente</td>
<td>HU</td>
</tr>
<tr>
<td>PP074</td>
<td>SKY CLASSIFICATION METRICS FOR HIGH DYNAMIC RANGE IMAGES</td>
<td>Souza, Dennis F.; Scarazzato, Paulo S.; Pedrini, H.</td>
<td>BR</td>
</tr>
<tr>
<td>PP075</td>
<td>RESEARCH ON PREFERABLE LUMINANCE CONTRAST OF WINDOW AND WALL AT DAYTIME</td>
<td>Kato, Mika; Yamaguchi, Hideki; Yoshizawa, Nozomu; Miki, Yasuhiro</td>
<td>JP</td>
</tr>
<tr>
<td>PP076</td>
<td>PROPOSAL OF SIMPLE DAYLIGHTING PERFORMANCE INDICES FOR REGULATIONS: VALIDATION WITH ON-SITE MEASUREMENT CAMPAIGN.</td>
<td>Fontoyonnont, Marc R.; Larsen, Dorte; Andersen, Lærke; Grün-Royen, Martin</td>
<td>DK</td>
</tr>
<tr>
<td>PP077</td>
<td>HOLLOW LIGHT GUIDES: 50 YEARS OF RESEARCH, DEVELOPMENT, MANUFACTURE AND APPLICATION</td>
<td>Aizenberg, Julian B.</td>
<td>RIJ</td>
</tr>
<tr>
<td>PP078</td>
<td>HELIOSTAT FOR DAYLIGHT WELL IN RESIDENTIAL BUILDING.</td>
<td>Sochocka, Anna K.</td>
<td>PL</td>
</tr>
<tr>
<td>PP079</td>
<td>ASSESSMENT OF DAYLIGHT CONDITIONS IN OFFICE BUILDINGS WITH THE INTEGRATION OF EXTERNAL BLINDS</td>
<td>Tsikaloudaki, Katerina; Axarli, Cleo; Iloudi, Charoula</td>
<td>GR</td>
</tr>
<tr>
<td>PP080</td>
<td>DAYLIGHTING DESIGN AND MOSQUE ARCHITECTURE; CASE OF THE PRE-OTTOMAN TUNISIAN MOSQUES</td>
<td>Belakehal, Azeddine; Tabet Aoul, Kheira</td>
<td>DZ</td>
</tr>
<tr>
<td>PP081</td>
<td>DESIGN OF LATERAL OPENINGS FOR NATURAL ILLUMINATION IN RESIDENTIAL BUILDINGS IN BRAZIL: ANALYSIS OF THE BUILDINGS CODES AND SUGGESTIONS OF NEW PARAMETERS TO THE CITY OF BRASÍLIA</td>
<td>de Sousa, Juliana A.; Amorim, Cláudia</td>
<td>BR</td>
</tr>
<tr>
<td>PP082</td>
<td>A SIMULATION BASED STUDY FOR COMPARISON OF PEREZ'S CLEARNESS INDEX SKY CATEGORIZATION AND CIE INTERMEDIATE SKY MODEL ON A PRIMARY SCHOOL CLASSROOM IN ISTANBUL</td>
<td>Sener, Feride; Köknel Yener, Alpin</td>
<td>TR</td>
</tr>
<tr>
<td>PP083</td>
<td>EVALUATION WINDOW LIGHTING CONSIDERING THE CIRCADIAN EFFECT</td>
<td>Mou, Tongsheng; Mou, Xi; Wen, Xiaofang</td>
<td>CN</td>
</tr>
<tr>
<td>PP084</td>
<td>A CLIMATE-BASED GRAPHICAL TOOL TO PREDICT THE DAYLIGHT AVAILABILITY WITHIN A ROOM AT THE EARLIEST DESIGN STAGES</td>
<td>Pellegrino, Anna; Aghemo, Chiara; Lo Verso, Valerio R.; Cammarano, Silvia</td>
<td>IT</td>
</tr>
<tr>
<td>PP085</td>
<td>DEVELOPMENT OF AUTOMATIC LIGHTING CONTROL SYSTEM USING BRIGHTNESS IMAGE</td>
<td>Kojima, Yoshikane; Ohki, Chikako; Nakamura, Yoshiki; Kanaya, Sueko</td>
<td>JP</td>
</tr>
<tr>
<td>PP086</td>
<td>ENERGY HARVESTING SOURCES FOR INTELLIGENT LED LIGHTING SYSTEMS</td>
<td>Higuera Portilla, Jorge E.; Carreras, Josep; Hertog, Wim; Peralvarez, Mariano</td>
<td>ES</td>
</tr>
<tr>
<td>PP087</td>
<td>EFFECTS ON ENERGY SAVINGS OF PERSONAL LIGHTING CONTROL SYSTEM IN AN OFFICE BUILDING IN JAPAN PART 1 OUTLINE OF THE MEASUREMENT AND EFFECTS ON LOWERING ELECTRICAL POWER CONSUMPTION FOR LIGHTING</td>
<td>Mochizuki, Etsuko; Oikawa, Daisuke; Kim, Jeongsoo; Tashiro, Kazuhiro; Iida, Koichi</td>
<td>JP</td>
</tr>
<tr>
<td>PP088</td>
<td>EFFECTS ON ENERGY SAVINGS OF PERSONAL LIGHTING CONTROL SYSTEM IN AN OFFICE BUILDING IN JAPAN PART 2 EVALUATION OF LIGHTING ENVIRONMENT AND OCCUPANTS' RESPONSE TO PERSONAL LIGHTING CONTROL SYSTEM</td>
<td>Oikawa, Daisuke; Mochizuki, Etsuko; Kim, Jeongsoo; Tashiro, Kazuhiro; Iida, Koichi</td>
<td>JP</td>
</tr>
<tr>
<td>PP089</td>
<td>RESEARCH ON EVALUATION OF ENERGY CONSUMPTION OF INTELLIGENT LIGHTING CONTROL SYSTEM</td>
<td>Wang, Lei</td>
<td>CN</td>
</tr>
<tr>
<td>PP090</td>
<td>SMART LIGHTING CONTROL USING HUMAN MOTION TRACKING FROM DEPTH CAMERAS</td>
<td>Chun, SungYong; Lee, Chan-Su</td>
<td>KR</td>
</tr>
<tr>
<td>PP091</td>
<td>LIGHTING QUALITY VERSUS ENERGY EFFICIENCY</td>
<td>Kirsch, Raphael; Völker, Stephan</td>
<td>DE</td>
</tr>
<tr>
<td>PP092</td>
<td>LIGHTING SYSTEM DESIGN AND ENERGY PERFORMANCE EVALUATION FOR RETAIL BUILDINGS</td>
<td>Sener, Feride; Ticleanu, Cosmin; Howlett, Gareth; J Littlefair, Paul</td>
<td>TR</td>
</tr>
<tr>
<td>PP093</td>
<td>DEVELOPMENT OF THE METHOD TO EVALUATE ECONOMICAL EFFICIENCY OF A LIGHTING SYSTEM</td>
<td>Kim, Hoon; Cho, Sook Hyun</td>
<td>KR</td>
</tr>
</tbody>
</table>

**Controls**

**Energy Efficiency**
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Authors</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP094</td>
<td>THE REQUIREMENTS FOR THE LIGHTING ENERGY PERFORMANCE ASSESSMENT OF NON-RESIDENTIAL AND RESIDENTIAL BUILDINGS CONSIDERING ASSUMPTION OF BUILDING USAGE CONDITIONS</td>
<td>Miki, Yasuhiro</td>
<td>JP</td>
</tr>
<tr>
<td>PP095</td>
<td>UNRAVELLING EFFICACY, MAINTENANCE AND LIGHTING ENERGY FOR THE END USER</td>
<td>Mucklejohn, Stuart; Whittaker, Anna P.; Gore, Julie</td>
<td>GB</td>
</tr>
<tr>
<td>PP096</td>
<td>EVALUATION OF THE VISUAL ENVIRONMENT OF STAIRS IN RAILWAY STATIONS WITH LOWERD ENERGY CONSUMPTION</td>
<td>Kano, Sakura; Mochizuki, Etsuko</td>
<td>JP</td>
</tr>
<tr>
<td>PP097</td>
<td>SOFTWARE CALCULATION TOOL FOR LIGHT SAVINGS IN THE BUILDINGS</td>
<td>Novak, Tomas; Sokansky, Karel</td>
<td>CZ</td>
</tr>
<tr>
<td>PP098</td>
<td>LIGHTING DESIGN BASED ON HUMAN PRINCIPLES</td>
<td>Säter, Monica B.</td>
<td>SE</td>
</tr>
<tr>
<td>PP099</td>
<td>SYMBOLIC LIGHT; COMPARISON BETWEEN CHRISTIAN AND MUSLIM BUILDINGS</td>
<td>Mohamed Adaoui, Benferhat; Noureddine, Zemmouri</td>
<td>DZ</td>
</tr>
<tr>
<td>PP100</td>
<td>ANALYTIC THOUGHTS ABOUT DAYLIGHT IN ARCHITECTURE</td>
<td>Moreno Rangel, David; Esquivias Fernández, Paula; Navarro Casas, Jaime</td>
<td>ES</td>
</tr>
<tr>
<td>PP101</td>
<td>RE-ARTICULATING PHILOSOPHIES OF LIGHT</td>
<td>Petersen, Kjell Y.; Søndergaard, Karin; Kristensen, Ole; Kongshaug, Jesper</td>
<td>DK</td>
</tr>
<tr>
<td>PP102</td>
<td>RELATION BETWEEN THE GRID FOR CALCULATION/MEASUREMENT AND RESULTING LUMINOUS PARAMETERS FOR ILLUMINATION OF INDOOR WORKPLACES</td>
<td>Dubnicka, Roman; Rusnak, Anton; Gasparovsky, Dionyz</td>
<td>SK</td>
</tr>
<tr>
<td>PP103</td>
<td>HIGH DYNAMIC RANGE (HDR) IMAGES FROM SMART PHONES FOR LIGHTING RESEARCH OFFICE SPACES</td>
<td>Garcia-Hansen, Veronica; Smith, Simon S.; Isoardi, Gillian</td>
<td>AU</td>
</tr>
<tr>
<td>PP104</td>
<td>GLOBAL ILLUMINATION ALGORITHM USED IN COMPUTER AIDED ARCHITECTURAL DESIGN PRESENTATION</td>
<td>Filetoth, Levente</td>
<td>HU</td>
</tr>
<tr>
<td>PP105</td>
<td>HOW TO CHOOSE SIMULATION PARAMETERS TO IMPROVE ACCURACY?</td>
<td>Ábrahám, György; Németh, Zoltán; Nagy, Balazs Vince; Samu, Krisztíán; Veres, Adam</td>
<td>HU</td>
</tr>
<tr>
<td>PP106</td>
<td>THE FIELD EXPERIMENTS OF THE HIGH S/P RATIO LED STREET LIGHTING</td>
<td>Saito, Takashi; Akashi, Yukio</td>
<td>JP</td>
</tr>
<tr>
<td>PP107</td>
<td>STUDIES ON TUNNEL LIGHTING VISIBILITY AND ENERGY-SAVING EFFECT IN HIGH-OVERALL-UNIFORMITY (APPLICATION OF LED IN TUNNEL LIGHTING)</td>
<td>Hirakawa, Satoshi; Hayakawa, Masaaki; Okada, Akio; Hagio, Tomokazu</td>
<td>JP</td>
</tr>
<tr>
<td>PP108</td>
<td>A SET OF QUALITY CRITERIA FOR SELECTION AND INSTALLATION OF LED ROAD LIGHTING</td>
<td>Kim, Hoon; Lee; Min-Wook</td>
<td>KR</td>
</tr>
<tr>
<td>PP109</td>
<td>PERCEPTION OF HUMAN SKIN IN STREET LIGHTING UNDER FIVE TYPES OF LED SPECTRA.</td>
<td>Fonteynont, Marc R.; Bruyère, Lucie; Blanc Gonnet, Joachim</td>
<td>DK</td>
</tr>
<tr>
<td>PP110</td>
<td>MEASURING THE IMPACT OF LIGHTING ON INTERPERSONAL JUDGEMENTS OF PEDESTRIANS AT NIGHT-TIME</td>
<td>Fotios, Steve; Yang, Biao</td>
<td>GB</td>
</tr>
<tr>
<td>PP111</td>
<td>CRITICAL PEDESTRIAN TASKS: USING EYE-TRACKING WITHIN A DUAL TASK PARADIGM</td>
<td>Fotios, Steve; Uttley, Jim; Hara, Naoya</td>
<td>GB</td>
</tr>
<tr>
<td>PP112</td>
<td>THE APPLICATION OF ADAPTIVE LIGHTING IN URBAN AREAS</td>
<td>Gibbons, Ronald; Clanton, Nancy; Terry, Travis; Garcia, Jessica; Givler, Todd</td>
<td>US</td>
</tr>
<tr>
<td>PP113</td>
<td>CALCULATION OF THE OPERATION TIME OF ROAD LIGHTING</td>
<td>Gasparovsky, Dionyz</td>
<td>SK</td>
</tr>
<tr>
<td>PP114</td>
<td>IN DEPTH INVENTORY FOR A HIGHER QUALITY OF STREET LIGHTING</td>
<td>Deswert, Jean-Michel; Markey, Yves</td>
<td>BE</td>
</tr>
<tr>
<td>PP115</td>
<td>RENEWAL OF STREET AND ROAD LIGHTING IN SWEDISH MUNICIPALITIES</td>
<td>Jägerbrand, Annika K.</td>
<td>SE</td>
</tr>
<tr>
<td>PP116</td>
<td>COMPARISON OF DIFFERENT LIGHT SOURCES ON PEDESTRIAN AND BICYCLE ROAD</td>
<td>Jägerbrand, Annika K.</td>
<td>SE</td>
</tr>
<tr>
<td>PP117</td>
<td>RESEARCH ON TESTING METHODS OF RELATIVE PARAMETERS OF OVERPASS LIGHTING SAFETY BY HDR IMAGE</td>
<td>Wang, Lixiong; Zhang, Mingyu</td>
<td>CN</td>
</tr>
<tr>
<td>Paper ID</td>
<td>Title</td>
<td>Authors</td>
<td>Country</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>PP118</td>
<td>A STUDY ON THE LIMIT OF LIGHTING POWER DENSITY FOR ROAD LIGHTING</td>
<td>Kim, Hoon; Lee, Min-Wook; Lee, Sang-Jin</td>
<td>KR</td>
</tr>
<tr>
<td>PP119</td>
<td>OPTIMISING VISIBILITY IN STREET LIGHTING BY OPTIMISING AND COMPARING LUMINOUS INTENSITY DISTRIBUTIONS</td>
<td>Schade, Sebastian; Völker, Stephan</td>
<td>DE</td>
</tr>
<tr>
<td>PP120</td>
<td>APPLICATION OF ROAD LIGHTING ENERGY EFFICIENCY EVALUATION SYSTEM IN PRACTICE</td>
<td>Pracki, Piotr; Jägerbrand, Annika</td>
<td>PL</td>
</tr>
<tr>
<td>PP121</td>
<td>ENVIRONMENTAL COMPATIBILITY IN ROAD LIGHTING AN INSTRUMENTED DRONE MEASURES THE UPWARD SPILL LIGHT</td>
<td>Iacomussi, Paola; Rossi, Giuseppe; Soardo, Paolo</td>
<td>IT</td>
</tr>
<tr>
<td>PP122</td>
<td>RESEARCH ON THE CHARACTERISTICS OF THE LIGHT TREPASS USING RELUX PROGRAM ACCORDING TO THE SPATIAL POSITION OF THE ROADWAY LIGHTINGS</td>
<td>Gu, Jinho; Lee, Jaewon; Lee, Woo-Seok; Jung, Jong-Hwan; Lee, Kyumok; Han, Jinseok</td>
<td>KR</td>
</tr>
<tr>
<td>PP123</td>
<td>THE EFFECT OF ONCOMING CAR HEADLIGHTS ON PEDESTRIAN VISIBILITY</td>
<td>Saraiji, Riad; Younis, Dana; Madi, Mouhamad; Gibbons, Ronald</td>
<td>AE</td>
</tr>
<tr>
<td>PP124</td>
<td>VISIBILITY IN THE STREETS UNDER MESOPIC CONDITIONS</td>
<td>Horváth, András; Dömötör, Gábor; Schanda, Janos D.</td>
<td>HU</td>
</tr>
<tr>
<td>PP125</td>
<td>DRIVER VISUAL FIELD ANALYSIS</td>
<td>Gibbons, Ronald; Bhagavathula, Rajaram</td>
<td>US</td>
</tr>
<tr>
<td>PP126</td>
<td>RELATIONSHIP BETWEEN LUMINANCE DISTRIBUTIONS OF ROAD SURFACE AND VISIBILITY IN STREET LIGHTING DESIGN</td>
<td>Akizuki, Yuki; Okuda, Shino</td>
<td>JP</td>
</tr>
<tr>
<td>PP127</td>
<td>LUMIROUTE : OPTIMISATION OF ROAD SURFACES REFLECTION PROPERTIES AND LIGHTING</td>
<td>Lecocq, Jacques; Jakubowski, Marc; Couffinhal, Benoit; Chain, Cyril</td>
<td>FR</td>
</tr>
<tr>
<td>PP128</td>
<td>THE STUDY OF REFLECTANCE FACTOR'S DISTRIBUTION OF FALLEN OBJECTS AND THE INFLUENCE ON VISIBILITY</td>
<td>Hagio, Tomokazu; Hirakawa, Satoshi; Sato, Motohisa; Ito, Hayato; Sakamoto, Sho'etsu; Sugawara, Tsu Yoshi</td>
<td>JP</td>
</tr>
<tr>
<td>PP129</td>
<td>APPROXIMATION OF ROAD SURFACE LUMINANCE COEFFICIENT</td>
<td>Korobko, Alexey</td>
<td>RU</td>
</tr>
<tr>
<td>PP130</td>
<td>THE POWER OF RETRO-REFLECTIVITY FOR BETTER VISION, IMPROVED SAFETY AND DECREASED CONSUMPTION OF ENERGY</td>
<td>Ewald, Juergen</td>
<td>NL</td>
</tr>
<tr>
<td>PP131</td>
<td>VISIBILITY OF THE CRITICAL OBJECT AND ENERGY EFFICIENCY OF PRO-BEAM LIGHTING FOR TUNNEL INTERIOR LIGHTING</td>
<td>Ito, Hayato; Uruno, Takemi; Hirakawa, Satoshi; Sato, Motohisa</td>
<td>JP</td>
</tr>
<tr>
<td>PP132</td>
<td>VISIBILITY EVALUATION OF TUNNEL LIGHTING TAKING VEHICLE HEADLAMPS IN CONSIDERATION</td>
<td>Hirakawa, Satoshi; Hayakawa, Masaaki; Okada, Akio; Karasawa, Yoshinori</td>
<td>JP</td>
</tr>
<tr>
<td>PP133</td>
<td>DETERIORATION PREDICTION IN CONSIDERATION OF THE DIFFERENCE IN LIGHTING TIME OF A TUNNEL LIGHTING EQUIPMENT</td>
<td>Miyazaki, Bumpei; Mizutani, Daijiro; Hirakawa, Satoshi; Kaito, Kiyoyuki</td>
<td>JP</td>
</tr>
<tr>
<td>PP134</td>
<td>LUMINANCE RANGE AND ARRANGEMENT OF PANELS AGAINST GLARE SENSATION IN NIGHTTIME FOR CIVIL AIRCRAFT COCKPIT LIGHTING DESIGN</td>
<td>Lin, Yandan; Liu, Yihong; Sun, Yaojie; Qiu, Jingjing</td>
<td>CN</td>
</tr>
<tr>
<td>DS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP135</td>
<td>ARTIFICIAL OUTDOOR LIGHTING: WHAT ARE ITS BENEFITS - WHAT DOES IT COST?</td>
<td>Potthast, Merle; Wukovitsch, Florian; Könecke, Benjamin</td>
<td>DE</td>
</tr>
<tr>
<td>PP136</td>
<td>RHYTHM OF LIGHT CREATED BY STATIC LIGHT PATTERNS</td>
<td>Wänström Lindh, Ulrika</td>
<td>SE</td>
</tr>
<tr>
<td>PP137</td>
<td>COMPARISON OF THE SUBJECTIVE IMPRESSIONS OF AMBIENT LIGHTING REALIZED BY METAL-HALIDE AND LED LAMPS</td>
<td>Djokic, Lidija; Kostic, Aleksandra M.; Kostic, Miomir B.</td>
<td>RS</td>
</tr>
<tr>
<td>PP138</td>
<td>BERLIN'S CONTESTED NIGHTSCAPES – INSTITUTIONALIZING URBAN LIGHTING PRACTICES IN PAST AND PRESENT</td>
<td>Krause, Katharina; Hasenöhr, Ute</td>
<td>DE</td>
</tr>
<tr>
<td>PP139</td>
<td>INVESTIGATION ON RESIDENTIAL LIGHTING STATUS IN PART AREA OF CHINA</td>
<td>Zou, Nianyu; Fang, Yuan; Cao, Guanying; Jiang, Jiali; Zhang, Yuncui; He, Xiaoyang</td>
<td>CN</td>
</tr>
<tr>
<td>PP140</td>
<td>LOST IN TRANSLATION - EXPERT DISCOURSE AND PUBLIC ENGAGEMENT IN URBAN LIGHT PLANNING</td>
<td>Schulte-Roemer, Nona</td>
<td>DE</td>
</tr>
<tr>
<td>PP141</td>
<td>THE INFLUENCE EVALUATION ON HUMAN EMOTION WITH DYNAMIC LIGHT COLOR IN URBAN SQUARE LIGHTING</td>
<td>Song, Gang</td>
<td>CN</td>
</tr>
<tr>
<td>PP142</td>
<td>NEW ARTIFICIAL LIGHT PROPAGATION MODELS: TOWARDS AN EFFICIENT CONTROL OF LIGHT POLLUTION</td>
<td>Bessolaz, Nicolas S.</td>
<td>FR</td>
</tr>
<tr>
<td>PP143</td>
<td>LIGHT AND PARTICIPATION NIGHT EXPLORATORY WALKING</td>
<td>Corten, Isabelle</td>
<td>BE</td>
</tr>
</tbody>
</table>

### D6
**Photobiology**

| PP144 | NOE CONSERVATION AND NIGHT BIODIVERSITY | Berrod, Emmanuel | FR |
| PP145 | ECO-FRIENDLY COLOR TUNABLE LED OFFICE LIGHTING INCORPORATING CIRCADIAN PHYSIOLOGY | Noguchi, Hiroki; Toda, Naohiro; Yasukouchi, Akira; Nan, Qiong | JP |
| PP146 | RESEARCH TREND ON QUANTIFICATION SYSTEM FOR BIOLOGICAL CLOCK | Takahashi, Yoshika | JP |
| PP147 | IMPACT ON STUDENTS’ PHYSIOLOGY AND PSYCHOLOGY BY SEVERAL CLASSROOM ARTIFICIAL LIGHT SOURCES WITH DIFFERENT SPECTRUM | Yonghong, Yan; Yang, Guan; Ning, Yan; Hai, Tian | CN |
| PP148 | LIGHT AND HEALTH – A METHOD | Volf, Carlo | DK |
| PP149 | COMPUTER AIDED DESIGN (CAD) FOR APPLYING UPPER ROOM UVGI FIXTURES TO CONTROL AIRBORNE DISEASE TRANSMISSION | Vincent, Richard L.; Brickner, Philip W. | US |
| PP150 | SUSTAINABLE SUN PROTECTION TO ENJOY SUN LIGHT LIFE-LONG WITHOUT FEAR | Osterwalder, Uli; Herzog, Bernd | DE |
| PP151 | A STUDY ON THE PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF HUMAN EXPOSURE TO COLOR LIGHT | Lee, Tien R. | TW |
| PP152 | COMBINED EFFECTS ON SLEEPING EFFICIENCY OF LIGHTING ENVIRONMENT IN THE DAYTIME AND THAT IN THE NIGHTTIME | Ishii, Chieko; Mochizuki, Etsuko | JP |
| PP153 | A STUDY ON DEVELOPMENT AND EFFECT OF LIGHTING’S DAMAGE WAVELENGTH BLOCKING FILTER | Lim, Jong-Min; Lee, Hyun-Young; Lee, Keum; Lim, Jong-Min | KR |
| PP154 | LIGHT IN THE BODY – BODY IN THE LIGHT REVISIONING THE BALANCE OF LIGHT AND DARK | Diethelm, Barbara | CH |
| PP155 | BALANCING BENEFITS WITH EXPOSURE RISKS OF ULTRAVIOLET EMISSIONS FROM LAMPS | Sliney, David H.; Lyon, Terry L. | US |
| PP156 | MELANOPIC ASSESSMENT OF LIGHT – STANDARDIZATION ACTIVITIES | Lang, Dieter; Wojtysiak, Andreas | DE |
| PP157 | RELATION BETWEEN THE PROFILE OF MOOD STATES AND LIGHTING ENVIRONMENT EVALUATION | Umemiya, Noriko; Arai, Tetsuro; Iwata, Tomoko; Suzuki, Tamami | JP |
| PP158 | THE STATIC AND DYNAMICAL LIGHT EXPOSURE IMPROVE POSITIVE MOOD STATUS | Neng-Chung, Hu | TW |
| PP159 | SPECTRAL REFLECTANCE MEASUREMENTS ON VERVET MONKEY PELTS | Coetzee, Elsie M.; McFarland, Richard; Henzi, Peter | ZA |
| PP160 | LED LIGHT SUPPLEMENT TECHNIQUE FOR INDOOR PLANTS | Zou, Nianyu; Jiang, Jiali; Fang, Yuan; Niu, Yuxi | CN |
| PP161 | OPTIMAL ILLUMINATION OF PLANTS IN GROWTH CHAMBERS WITH LOW ENERGY DEMAND | Škoda, Jan; Krbal, Michal; Sumec, Stanislav; Baxant, Petr; Parma, Mikuláš | CZ |

### D8
**Image Technology**

| PP162 | EVALUATION OF ILLUMINATION USING DIGITAL PHOTOGRAPHY | Sumec, Stanislav; Škoda, Jan; Krbal, Michal; Baxant, Petr | CZ |
| PP163 | TOWARD A VALID IMAGE PROCESSING SYSTEM THROUGH COLOUR STANDARDS | Richard, Noël; Ledoux, Audrey; Capelle-Laizé, Anne-Sophie; Fernandez-Maloigne, Christine | FR |
| PP164 | EYE-TRACKING FOR 3D-APPLICATION: GAZE-POINT DETECTION TAKING INTO CONSIDERATION DISPARITY | Iatsun, Iana | FR |
| PP165 | DEVELOPMENT OF GENERIC COLORIMETRY SYSTEM FOR LIGHTING ENVIRONMENT BY USING CCD CAMERA | Yamaguchi, Hideki; Kato, Mika; Hara, Naoya; Ito, Daisuke; Miki, Yasuhiro | JP |