Foreword

LED Penetration into the Global Lighting Market and the Impact on IEIJ Activities

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LED lighting has been penetrating rapidly into the global market and especially in Japan it has been much popular in a few years because of its high efficacy and drastic price reduction of LED itself. In addition to that, the 2011 big earthquake occurred in north-eastern area of Japan accelerated the needs of energy-saving.

It is reported that the 2016 LED lighting market size in global might be 3.3 trillion yen that would be about 4 times as much as the present. So it is easily expected that many newcomers have been joining in the lighting business field and various lighting technologies using LED devices have been developing one after another for many application area including healthcare, education, psychology, and general lighting as well.

By the way I am sure that LED lighting still has some issues now how to realize the quality of light, how to check the light output performance or evaluate their reliability. When it comes to these matters, many new standards and regulations about LED lighting have been established now and will be developed in the future, especially Zhaga and Light Measurement (LM) are well known globally.

In such a circumstance like this, what should the Illuminating Engineering Institute of Japan (IEIJ) do? I believe that the business contents in IEIJ have considerable degree of value and it is important to conduct more improvement in them.

In order to do that, my opinion is that the following activities should be implemented;

1. Introducing the trends concerning established standards or rules through our magazines,
2. Creating stronger partnership with domestic and international related organizations,
3. Ramping up efforts on educational programs such as basic course of illuminating,
4. Utilizing new lighting system by using LEDs or OLEDs appropriately and popularizing them as soon as possible, and
5. Coming up with the solutions for some issues which lighting business is facing right now and in the future.

I can conclude here that these IEIJ's business contents will expand our sphere of activities. In addition, I believe these activities will help channeling the institution to our 100th anniversary successfully in 2016. Let's get together and celebrate the progression toward our future generation.

Finally I suggest that IEIJ should contribute to the global efforts to expand comfortable and eco-friendly lighting through its proprietary advanced technical investigations or activities, and further collaborations with other relevant academic societies and associations.