

# 雪あかりが彩る幻想的な光のページェント：

## “雪あかりのまち 川湯温泉”

日大生産工 ○山家 哲雄

### ABSTRACT

The author proposed a new illumination design concept "Snow Light Town". The beautifully illuminations designed lightscape enchants our mind, and gives a healing and feeling.

This creation study is result of the university-industry research collaboration project.

### 1. INTRODUCTION

Each town all over the world has a distinctive identity respectively. The identity of the town is made from the landscape of distinctive in the region. And, they are composed with the long histories, the natural features, and the living cultures. The author designed fantastic illuminations of the winter season in Kawayu-Onsen.

This paper reports many beautiful and fantastic illuminations designs of rustic town Kawayu-Onsen by snow light examples.

### 2. RUSTIC TOWN "KAWAYU-ONSEN"

Teshikaga is a town located in the northern area of the Kushiro district in Akan National Park in Hokkaido, Japan. Famous tourist attractions in the town include Lake Mashu, Lake Kussharo and rustic town Kawayu-Onsen. Rustic town Kawayu-Onsen area, a well known spa in town, offers good quality of water flowing directly from a hot spring source. The air temperature is regularly cool with an annual average temperature of 4.8 degree C (cf. Highest 33.7 degree C and lowest -28.4 degree C). The climate is so cold that diamond dust can be seen in winter.

### 3. CANDLELIT SNOW LIGHT

#### ILLUMINATIONS

The Fantastic Illumination Festa 2014 of "Rustic town Kawayu-Onsen by Candlelit Snow Lantern" was held for four months from December 20, 2013 to March 20, 2014, in Kawayu-Onsen, Teshikaga-cho, Hokkaido.

The author proposed a new illumination design concept "Snow Light Town". To visually express the theme "Snow Light Town" in Kawayu-enchi Park were lit in candlelit snow lantern and snowball lantern. The number of candlelit snow lanterns and snowball lanterns was equal to 1,000. The candlelit snow lanterns and snowball lanterns were made by cooperation of local peoples and elementary school children. And, the Naka-tori shopping street was lighted up with LED illuminations of theme "Light Embroidery" and "Milky Way". Ropes of low-energy, crystal clear white LED illuminations sparkled like elegant drapes, expressing the beautiful arts of Japan.

**Figure 1** shows examples of the rustic town Kawayu-Onsen by the snow light of fantastic illuminations.

### 4. CONCLUSION

This creation study is result of the university-industry research collaboration project.

Author think that it light experience depends not only on the beauty of light but also on the viewers' emotions. Therefore, the new illumination design concept "Snow Light Town" which author propose is believed to develop new lighting culture.

---

**The Pageant of Fantastic Light Illuminated with Snow Lanterns:  
"Rustic Town Kawayu-Onsen by Snow Lights"**

**Tetsuo YAMAYA**



Figure 1 Rustic town Kawayu-Onsen by the snow light of fantastic illuminations.

## REFERENCE

- 1) Tetsuo YAMAYA, et al. "Fantastic Illuminations of the Winter Season: Rustic Town "Kawayu-Onsen" by Snow Light", Proceedings of the 7th Lighting Conference of China, Japan and Korea, PT-55 (2014)
- 2) The official home page of Diamond Dust in Kawayu

## ACKNOWLEDGEMENT

My creation results of this study are supported by the Project Seminar of Department of Conceptual Design, College of Industrial Technology. And, author would like to show thanks to Nihon

University that made it possible to complete this study.

Finally, the author would like to show special thanks to Mr. Ryutaro ENOMOTO who is the member of the Diamond Dust Festa 2014 executive committee in Kawayu.

### Corresponding Author:

Assistant Professor Tetsuo YAMAYA  
**Affiliation** : Department of Conceptual Design,  
 College of Industrial Technology,  
 Nihon University  
**Address** : 1-2-1 Izumi-cho, Narashino-shi, Chiba  
 275-8575, JAPAN  
**Telephone**: +81 (0)47 474 2379  
**Facsimile** : +81 (0)47 474 9759  
**e-mail** : yamaya.tetsuo@nihon-u.ac.jp