

23rd SYMPOSIUM ON SPACE ACTIVITY AND SOCIETY (E5)  
Space as an Artistic Medium (4)

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## LIGHT,LIFE AND THE SEA

**Abstract**

"Light, Life and the Sea" On 2011, at the request of the author, members of the International Space Station (ISS) crew conducted two experiments with sea water and light: "Marbling painting on spheres of water - Light, Life and the Sea" and "Spiral top -Aurora Oval". The theme of Marbling Painting- is visualize the relation between Life, Light and the Sea .In my plan, I will make 2 kinds of water ball is glowed. One of the lighting material is the sea firefly is luminous plankton. Another is fluorescent paint. The pattern of the luminescence thing and sea water will be changed by the flow of water in a zero gravity. I had presented the work by break charge in a vacuum chamber to made the lightning pattern. I found this system of my work is same as "Uray and Miller's Experiment" at Chicago University on1953. They made Amino acid by brake charge in the gas is same as ancient atmosphere which designates the methane as the main component gas. This experiment is one of the hypothesis of the birth of life. I have interested in the theme and the material of this experiment. I planed to make the organic pattern is symbol of life by the Luminous living thing and UV light in a space. This space art experiment is the Hommage to "Uray and Miller's Experiment" In the latter experiment, a luminescent revolving sculpture was used to create traces of light in multiplex patterns in space. I could make the light trail like the aurora by the light fiber of "Spiral top ", These art experiments were conducted to create a "new visual world." The author will give the video images of the experiments and report on the results in the symposium.

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