

Session 7 (Thursday, 5 September)

Shigefumi Kanao

Lake Biwa Museum
Japan



1980 Feb., Born in Hiroshima Pref., Japan.
Completed a doctoral course at the Graduate School of Environmental Science, The University of Shiga Prefecture Japan. After working at the Tago Town Museum Japan, joined the Lake Biwa Museum in Apr. 2011.

Presentation:

Interaction with citizens and museum users at the museum brings new natural history information about the area.

Information on biota is often collected by experts from museums and research institutes. However, on the other hand, valuable biota information can be obtained from events held in museums and local areas, and interactions with museum users. In this presentation, we will report on the possibility that exchange activities in the museum will develop not only as a place that produces effects of diffusion and education but also as a place where natural history information can be consolidated.

Nils Wiberg

Gagarín
Iceland



Nils' design work focuses on bringing Tangible Computing to the realm of exhibition design by adapting new technologies to the nature of man. As an interaction designer he creates immersive experiences where people reach insight through an unconscious process intuitively. His work has recently been focused on the generation of empathy between agents be they human or indeed non-human.

Presentation:

How Interactive Storytelling can explain Complex Natural Phenomena

Whether talking about the inner workings of glaciers, implications of climate change or behavioural patterns of whales, natural complex phenomena are beyond our common perception and therefore hard to explain to a broad audience. Interactive storytelling provides the visitor with a different entrypoint to the stories when we use tangible interactions as a tool to explore or navigate such topics. By using proprioception, equilibrioception and other lesser tapped into senses a more immersive experience of complex phenomena can be reached.

Co-author: Lemke Meijer

Tak-Cheung Lau

National Museum of Natural Science
Taiwan



Dr. Lau was trained as a biologist and after joining the National Museum of Natural Science in 1999, he became interested in science communication and was responsible for exhibition development and science education programs. He set up a museum-based Science Learning Center in 2014 to promote the teaching of science literacy for school teachers..

Presentation:

Using Case Study Approach to Teach Argumentation in Natural History Museum

This presentation documented the adoption of bipedalism in human evolution as a case study to facilitate the learning of argumentation for school teachers. Teachers first conducted a series of measurements to determine the relative position and size of major structures of the skulls and pelvis of the three represented hominids. Teachers then used these measurements as evidence and evolutionary timelines to draw conclusion on which of the two competing hypotheses regarding the evolution of bipedalism was supported.

Co-author: Chih-Yu Lu, Wenhsing Hsieh

Eriko Shima

Osaka Museum of Natural History
Japan



After working at the Natural History Museum and Institute, Chiba, the National Museum of Nature and Science, Tokyo, She has been in her current position to date. She works at Globalization Office, Center for International Exchange, the University of Tokyo, too.

Presentation:

A qualitative study on the experience of a visit to the Natural History Museum by deaf-blind adults – With a focus on the experience of the Hands-On Exhibition –

The study aimed to explore the kinds of experiences and deeper meanings created by the deaf-blind in the hands-on exhibition at the Natural History Museum by using qualitative research methods. The subjects were two pairs of deaf-blind adults and their interpreter helpers. We conducted two observations and four interviews over a six-month span from September 2018 to February 2019.

Co-author: Shima Yagishita, Junko Tsuchiya, Shigenori Inagaki, Yoshikazu Ogawa.

Gregory B. Pauly

Natural History Museum
of Los Angeles County
United States



Dr. Greg Pauly is Curator of Herpetology and Co-director of the Urban Nature Research Center at the Natural History Museum of Los Angeles County. He believes partnerships between professional scientists and community members can revolutionize science.

Presentation:

Developing partnerships and growing community engagement in the study of urban nature

With expertise in education, outreach, and research, natural history museums are ideally suited to be core sites for invigorating local communities in appreciating and helping study urban nature as well as for building collaborative research networks that can help make urban areas more welcoming for wildlife and for people. At the Natural History Museum of Los Angeles County, we are using community science to create a new interdisciplinary model for understanding and connecting to urban nature.

Mariko Takibata

Otemon Gakuin University
Japan



Professor at Otemon Gakuin University, teaching museum studies/adult and community education. Accounting secretary of the Museological Society of Japan. Editorial committee of the Japan Society for the Study of Adult and Community Education.

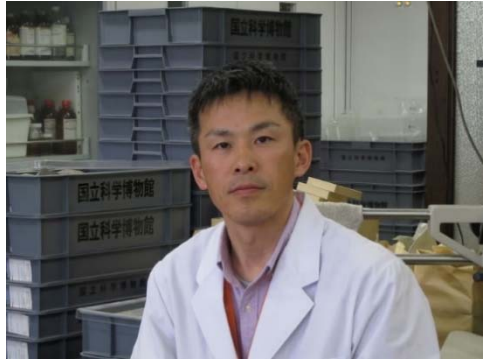
Presentation:

The History and Challenge of Citizens' Participation at the Osaka Museum of Natural History

The first director started a museum supporters' group in 1955 consisted of intellectuals. The museum professionals concluded that "Museum Friends" in Japan should be a users' group. They overcame the financial difficulties of "Museum Friends" by incorporating it into NPO. From the late-2000s recession, the City of Osaka introduced the NPM approach to city museums. I think that OMNH needs backing from not only the museum community but also a wide range of "the public" to encourage social equality and fundraising.

Atsushi Yabe

National Museum of
Nature and Science
Japan



Dr. Yabe is a paleobotanist and geologist, currently working at National Museum of Nature and Science as a senior curator. His career as a curator started at a local museum in central Japan.

Presentation:

Will our new traveling exhibits become a nexus between nature and culture?

We have produced a new travelling exhibition, entitled “History of Life: A story you meet in the tree of life,” as part of the Legacy Project that is supported by MEXT last year. The exhibition has been travelled and co-worked with several different museums and organizations which focused not only on natural history but also on human history, science, and/or art. We will share our experience with the audience how this exhibition influenced the relationship among museums in different fields.

Co-author: Shinji Hamamura, Sayuri Kotake, Takuma Haga.