

Title of Lecture:

JSPS Program and Islamic Geometry of Muqarnas through the history of Islamic Architecture

First, Introduction of the JSPS Program:

JSPS or Gakushin for short, is an independent administrative institution, established by way of a national law for the purpose of contributing to the advancement of science in all fields of the natural and social sciences and the humanities. Focus will be on the international programs such as: 1) supporting international joint research and seminars, 2) providing platforms for international training opportunities for young researchers, 3) inviting researchers to Japan, 4) sending young Japanese researchers overseas, 5) support globalization of universities.

Next, Islamic geometry:

Muqarnas, as stalactite or honeycomb vault came out of and developed through Islamic Architect based on detailed geometry. The geometrical feature is divided into three types, rectangular coordinates, polar coordinates and combined both. At last it will make clear Egyptian locality about muqarnas from Fatimid to Ottoman period.

Short Bio:

Naoko Fukami is a Director of Research Station, Cairo, Japan Society for the Promotion of Science Promotion Society (JSPS) since 2015. She makes a project of Revitalization and Sustainability of Communities in Historic Cairo, supported by TOYOTA Fund from 2016 to 2018. She obtained her M.Sc from Tokyo Metropolitan University in 1981 about Islamic Architecture in Daccan from the 14th to 17th century, and Ph.D from Yokohama National University in 1998 about Muqarnas, its origin and development. She was a Visiting Professor Institute of Oriental Culture from 1999 to 2001, University of Tokyo, making the Digital Archive: by the Mission for Indian History and Archaeology, University of Tokyo in 1959-1962. She was a Professor, Organization for Islamic Area Studies, Waseda University from 2012 to 2014, she joined the project of Islam and Multiculturalism. Her books are NHK Project of Asian Historical Cities, Recollected Isfahan, "Isfahan-The Dream of Oasis", pp169-199, NHK Publication, 2002, "The World of Islamic Architecture", Kodansha Genndai-Shinsho, 2005 "World history in Islamic Architecture", Iwanami Shoten, 2013, etc.