International exchange in Ceramics between Japan, Korea, China

Fumio Shimada
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The Ceramic Society of Japan (CerSJ)
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Publications
Fumio Shimada, Porcelain work, 2010
collection of the Modern Art Museum
Fumio Shimada, Porcelain Work, 2012
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3 Main Components of Ceramics

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Clay 土
Decoration & Forming 細工
Firing  火
Firing
Firing 火
Firing 火
Firing  火
Firing - Oxidation and Reduction
Iron

Oxidation Iron glaze, China

Reduction Iron glaze, Korea
Firing - Oxidation and Reduction Copper

Oxidation Copper glaze

Reduction copper glaze
Firing - Oxidation and Reduction

Celadon

Oxidation fire

Reduction Fire
Clay

By location
Karatsu wear, 17th Century
絵唐津 松文輪花皿 17世紀
Mashiko Wear, Syoji Hamada, 20th Century

益子 浜田庄司 20世紀
Bizen wear, 17th Century. Triangular flower vase with strong curving
Clay Types

Earthenware, Ceramics, Stoneware and Porcelains
Earthenware - Clay mask 800BC

土面 縄文晩期 BC800年頃
Earthenware - Jomon ware, B.C. 3000

繩文中期
Ceramics - National Treasure, "Kizaemonn" Tea Bowl, 16th Century

国宝 大井戸茶碗 銘 喜左衛門 16世紀
Ceramics - National Treasure, “Unohanagaki” Shino Tea Bowl

国宝 志野茶碗 卵の花壇
Ceramics - Tree color Nara wear Covered Jar, 8th Century
奈良三彩壷 8世紀
Ceramics – Raku Firing, USA
Ceramics - Japanese Rakuwear,  
“Amagumo” Tea Bowl by Koetu Honnami, 17th Century

楽焼 黒楽茶碗 銘雨雲 本阿弥光悦 17世紀
Stoneware - Tanbawear Bottle with Natural Wooden Ash Glaze

丹波德利 16世紀
Stone wear - Shigaraki wear
Jar with small neck and globular body 14th Century
信楽壺 焼締 14世紀
Stone ware - a Jar with averted neck decorated with grass, melons and dragonfly. National treasure
Porcelain – A Bottle with ribbed body with floral design in under glaze blue, 17th Century
伊万里染付花卉文徳利 17世紀
Dish with design of a lobster in overglaze enamels, 17th Century
古九谷 色繪海老文平鉢
Porcelain – National Treasure,
Kyo yaki by Ninnsei Nonomura 17th Century
国宝 野々村仁清作 17世紀
Decoration and Production Techniques

細工
A Horse, 6th Century

A Horse, 6th Century

A Horse, 6th Century
Imari, Flower Vase, 17th Century
伊万里 柿右衛門様式色絵花鳥文瓢形花瓶 17世紀後半
National Treasure, White Raku Tea Bowl “Fujisan”, 17th Century

国宝 光悦 白楽茶碗 不二山 17世紀
History of Japanese Ceramics
Jomon ware, Kaen Doki
Yayoi ware
Sue-ware
Three colored glazed ware, Bowl, 8th Century

奈良三彩 鉢
Dissemination of Celadon from China to Korea

Celadon made in Yue Kiln

Korean Celadon
Green Glaze Ceramic ware, Pitcher, Bowl and Dishes, 11th Century
緑釉　手付水注 11世紀
Tokoname, Large pot

常滑 大壺
Shigaraki water jar owned by Sen-no Rikyu
信楽 一重口水指 銘柴庵 利休所持
Seto ware, Sake Bottle, 1312
瀬戸灰釉瓶子一対 1312年ろくろ 穴窯 白土
Late 16th Century – a turning point in the history of Japanese ceramics
Arita Blue and white, 17th Century
Satsuma-ware
Cylindrical shaped tea bowl. Chinese lion-dog design in enamel and gold
薩摩 色絵金彩唐獅子文茶碗
Hagi ware, Tea bowl with feldspathic glaze

萩茶碗
Mashiko, Edo Period
Bottle of rhombi form shape designed grass by Kanjiro Kawai
Japan’s National Treasures
Ceramics

Korea

Japan

China
Bowl stone ware with iridescent spotted black glaze
曜変天目茶碗
Yuteki Tenmoku Tea Bowl, 12th – 13th Century, China

油滴天目茶碗
Raku ware, Tea Bowl named Fujisan, This is white raku teabowl created by the 17thcentury artist, Honami Koetsu in Kyoto. 不二山
National treasure, “Kitazaemonn” Tea bowl made in Korea, 16th Century
Research Findings
Research on Lungquan Celadon Ware

2004-2006
Lungquan, China
Lungquan Kiln Monument 大窯
Former Lungquan Kiln Area 大窯
Mallet shaped celadon vase with two handles in the shape of phoenix,
13th Century, China
Seiji shimokabura hanaike - Turnip bottom celadon flower vase, China.
13th Century
青磁下蕪花瓶 南宋時代 13世紀 龍泉窯
The history of the exchange of ceramic cultures between China and Japan seen through the under glaze ceramic decorations

2010 -2012
Liling Underglaze Painting
“Sometsuke” (Blue and White) technique – Nabeshima yaki, Arita.
“Sumi Hajiki” (Ink Resist) Technique, Liling, China. 20th Century
Zaffer - the underglaze material used in Jingdezhen

X-ray Pigment Test carried out at the Tokyo University of the Arts
K-1 Emulated zaffer of the Yuan dynasty and Qing Dynasty

倠元釉青花料
K-2 Blue and White
青花料8号（経管苑園）
K-3 Emulatd zaffer of the Qing Dynasty

傲清朝（經管苑圍）
K-4 Zaffer
青花料5号

K-4
- Quartz
- Spinel
- Sericite
- Orthoclase
- Kaolin
- Calcite
- Cobalt
K-5 Emulated Zaffer of the Yuan Dynasty

元青花料(43) 小許顔色料

![Graph of X-ray diffraction pattern for K-5 material with annotations for different minerals such as Quartz, Sericite, Albite, Hematite, Lithiophorite, Kaolin, Calcite, Spinel, and Cobalto oxide.]
K-6 Zaffer
青花料
Coloring pigments of Liling

Triangle coordinates Test with the Tsuing Hua University of the Arts and Design research students
Triangle Coordinates, Liling
Coloring pigments of Liling

X-ray Pigment Test carried out at the Tokyo University of the Arts
R-1 Lemon Yellow Pigment

檸檬黃色
R-2 Blue Pigment

青

Graph showing the analysis of R-2 with various minerals: Quartz, Sphene, Gold, Albite, Orthoclase, and Muscovite.
R-3 Lemon Pigment

R-3

- Sericite
- Albite
- Orthoclase
- Halloysite
- Quartz
- Spinel (galaxite)
- Spinel (Hercynite)
R-4 Red Pigment

大紅
R-5 Dark Green Pigment
黒緑

![](image)

![Graph](image)

- Quartz
- Chromite
- Eskolaite
- Cobalt Oxide
R-6 White Pigment

![Image of white porcelain cups]

Graph showing the diffraction patterns of various minerals:
- Quartz
- Baddeleyite
- Gahnite
- Orthoclase
- PbO
- CaZr(Si3O4)·2H2O
- KLiMg2Si4O10F2

2θ [°]

Intensity [cps]
R-7 Purple Pigment

杯紫

![Image of three bowls with purple designs]

![Graph showing X-ray diffraction analysis with peaks labeled Quartz, Orthoclase, Albite, Corundum, Gold, Muscovite, and Spinel]
R-8 Black Pigment
Blue and White “Sometsuke” technique and delicate painting method of “Dami” technique
Ink Resist “Sumi-hajiki” technique
Mixing Pure Tung oil
Creating Ink Resist “Sumi-hajiki”
Drawing with Ink Resist “Sumi-hajiki”
Dami Technique
Video
Video
After Dami Painting
After High firing
Black sumi line turned white line
My current research project
Thank you for your kind attention.