[ONLINE WORKSHOP] Digital Craftsmanship- 3D Printing, Scanning and Modeling

As part of the exhibition *Metamorphosis or Confrontation*, the artist Tobias Klein will host a series of workshops with a focus on 3D scanning and printing. Participants will be given scanned data from a series of Ceramic artifacts from the Museum collection, digitally alter and design the scanned forms, and then 3D print the results.

The Workshop – *Digital Craftsmanship* – will allow individuals to investigate motifs, contemporary forms, and 3D printable ornaments based on 3D scans of the museum's ceramic artifacts. The discussion will be based around the scanned data, with a focus on critical issues of contemporary design, including artificial biology, generative design, hybrid forms, and narratives.

Participants will use photogrammetry-based methods to create 3D models that explore the full digital manufacturing process, translating the values, concepts, and ideas of each object into a contemporary 3D printed form.
<table>
<thead>
<tr>
<th>Session</th>
<th>Date</th>
<th>Time</th>
<th>Content</th>
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<tbody>
<tr>
<td>Session 1</td>
<td>Saturday, 3 October 2020</td>
<td>10:00am-12:00nn</td>
<td>Introduction to 3D Printing and 3D Scanning</td>
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<tr>
<td>Session 2</td>
<td>Sunday, 4 October 2020</td>
<td>10:00am-12:00nn</td>
<td>3D Printing Modeling and Touch up</td>
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</table>

**Venue:** Zoom  
**Cost:** HK$200 per person  
**Audience and Limit:** Aged 18 or above, maximum 10 people per class  
**Language:** English  
**Materials:** All printing materials will be provided. A software is required to be downloaded prior to the class, more information will be available when closer to date.  
**Note:** Participants are required to attend ALL sessions.  

**Registration & Enquiries:** Registration opens from 18 September to 29 September 2020. For enquiries, please contact Chelsea Choi: [cchelsea@hku.hk](mailto:cchelsea@hku.hk) / 2241 5509.

**Artist:** Tobias Klein  
Born in Bonn, Germany, Tobias Klein is a German Artist/Architect. He is currently an Assistant Professor in the School of Creative Media at City University of Hong Kong.

Klein’s combined artistic and architectural works construct the emerging practice of Digital Craftsmanship, through which he has established an operational synthesis of digital and physical materials and tools as poetic (Poïesis) and technical (Technê) expressions. Klein’s works are based on the use of contemporary CAD/CAM technologies with site and culturally specific narratives, intuitive non-linear design processes, and historical cultural references.

His work has been exhibited internationally at the London Science Museum, the V&A, the Venice Architectural Biennale, the Science Gallery (Melbourne), the container (Tokyo), the Bellevue Arts Museum, the MoCA Taipei, and the Museum of Moscow and Museum of Vancouver. His works are also found in the permanent collection of China’s first 3D Print Museum in Shanghai, the Museum of Glass in Tacoma (USA), and the Antwerp Fashion Museum (MoMu).

**Important Notes**  
**Before the Workshop**
- You must use a computer for this Workshop as the 3D printing software does not work on tablets or phones. Please ensure your computer has an audio and video function and the internet connection is smooth and stable throughout the Workshop.  
- If you are a first-time Zoom user, please click on [https://zoom.us/download](https://zoom.us/download) to download the software. For experienced users, please ensure the software is up to date.  
- Please join the Workshop 10 minutes before the scheduled time to test for the proper functioning of the computer.

**During the Workshop**
- Please mute your microphone when you are not speaking and unmute if you want to speak. Also, ensure that your camera is on all the time.  
- Unauthorised photo-taking, audio recording and video recording of the Workshop are strictly prohibited.
[ONLINE WORKSHOP] Digital Craftsmanship- 3D Printing, Scanning and Modeling
Application form

Name of participant: Prof /Dr/Mr/Mrs/Ms* ____________________________________________
Telephone: __________________________ Email: _______________________________________

*Please delete as appropriate

Payment Methods
【 】 Crossed cheque (No:_________________________) payable to the “The University of Hong Kong”.
Please send the application form and cheque to:
University Museum and Art Gallery, HKU, 90 Bonham Road, Pokfulam
Attn: Ms Chelsea Choi
Please label the envelop: [Online Workshop] Digital Craftsmanship

【 】 Cash. Please pay the cash in person to 2/F T.T. Tsui Building, UMAG during office hours, Mon–Fri 10:00 am – 5:30 pm except during lunchbreak at 1:00 pm –2:00 pm. PLEASE DO NOT MAIL CASH.

Important Notes
- Application will be accepted on a first-come, first-served basis;
- Each person/group can register for and participate in one Digital Craftsmanship Workshop only.
- Incomplete/Late applications will not be processed.
- Application or reservation by phone or by fax is not accepted.
- Application fee is not refundable or transferable, except in the event of the programme cancellation.
- UMAG shall have the right to make changes regarding the instructor, place and time of programme when necessary.
- Successful applicants will be contacted by phone or by email within 3 working days;
- If you submitted the application form but did not receive a reply within 5 working days, please email musnews@hku.hk or call 2241 5509 to check on the progress of your application.
- In case of dispute, the decision of UMAG is final.
* University Museum and Art Gallery have the right to request proof of age from any attendee.

As classes are online, there will be no special arrangement for typhoons, red/ black rainstorm signal and special road/ transport service conditions.

Personal Data Collection Statement
You have the right to request access to and correction of personal data as stated in this form in accordance with Section 18, 22 and Principle 6 of Schedule 2 to the Personal Data (Privacy) Ordinance. The personal data provided in this form will be entered into the Museum’s record.
* University Museum and Art Gallery reserves the right to request proof of age from the participants.

Notice of Filming and Photography
Please note that filming/photography/recording will take place at the workshop for promotional purposes.

Enquiries
Enquiries concerning the personal data collected in this form, including the request for access and corrections, should be addressed to Senior Communications officer, University Museum and Art Gallery, 90 Bonham Road, Pokfulam; elenac@hku.hk or 2241 5512 or Programme Officer cchelsea@hku.hk or 2241 5509.