



Cutting, drilling, polishing Jade – using neolithic tools

- The Liangzhu Jade
Experiments by Xu Shifu

Prof. Dr. Marc Winter
University of Zurich

Thanks to the Liangzhu
Archaeological research
Institute



良渚古城遗址

Archaeological Ruins
of Liangzhu City

南城墙遗址

Southern City Wall Site



陆门
City Gate

水门
City Gate









反山M22
冠状饰



瑶山M4
玉璜

瑶山M2
玉冠形器



瑶山M11
玉璜

瑶山M7
三足形器



瑶山M2
鸟
线切割

反山M15
玉璜神像

瑶山M7
玉牌饰



反山M22











反山 M22





Sawing Jade













Cutting
bi-disks
碧

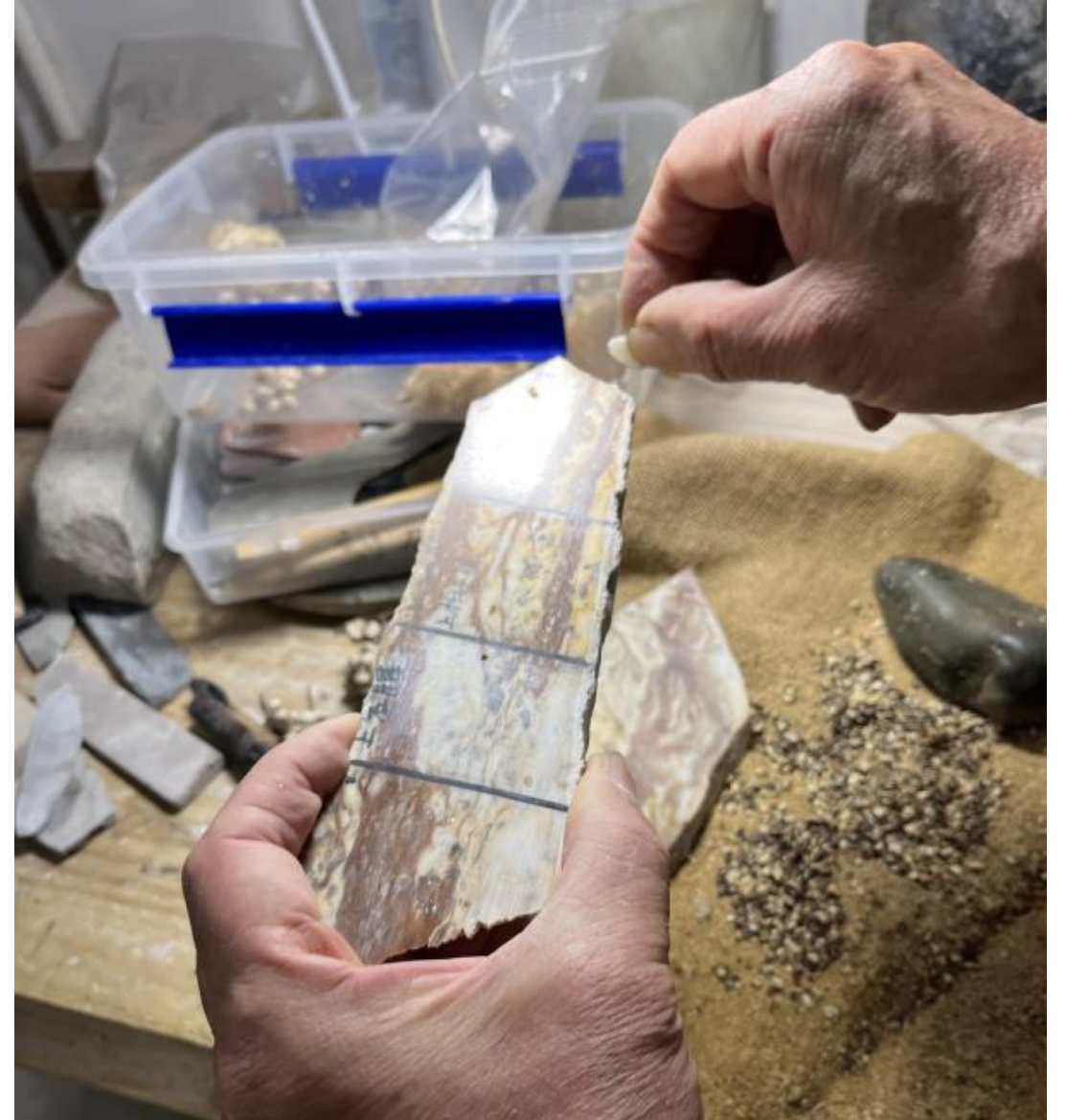
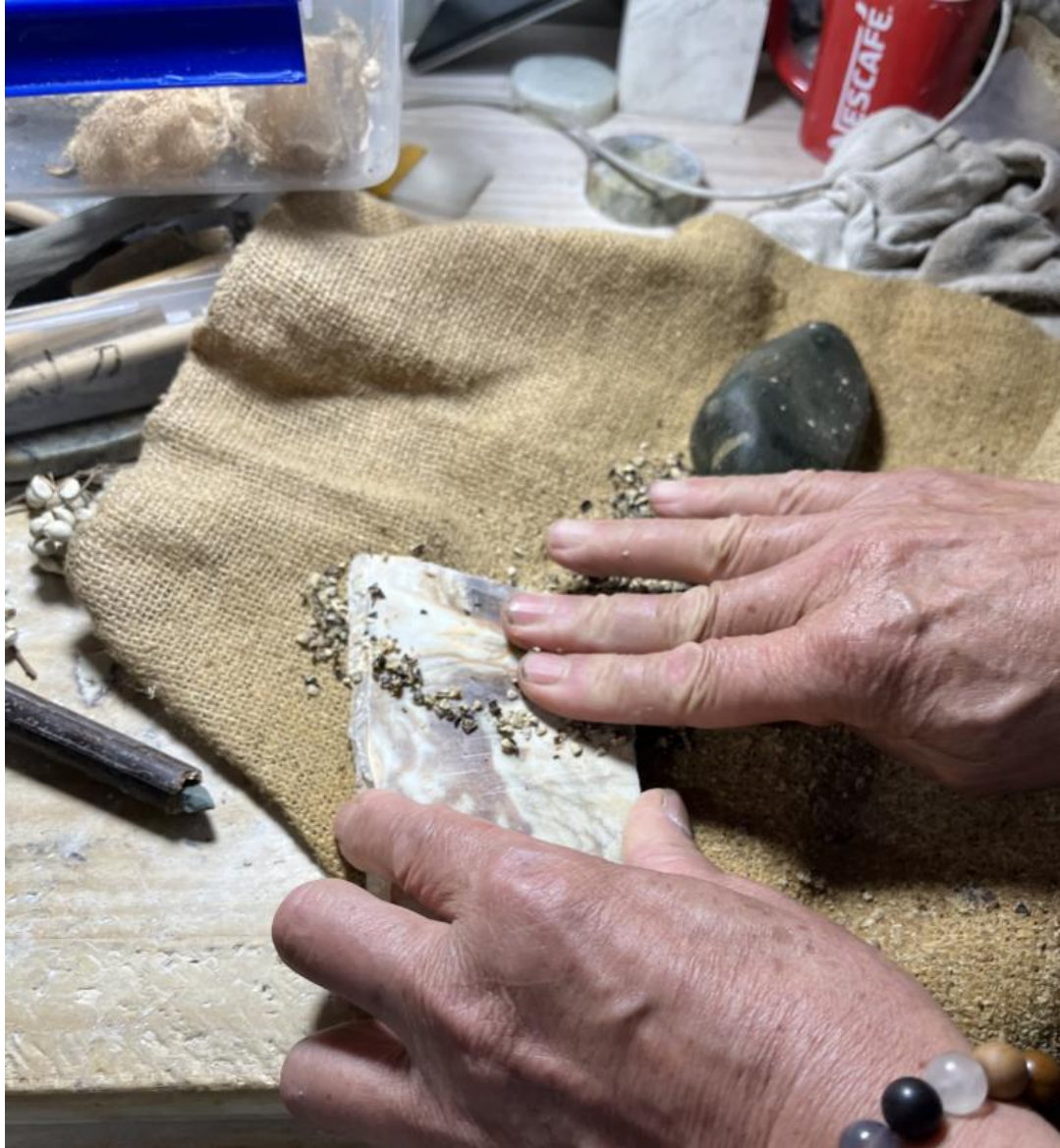




Polishing the cut



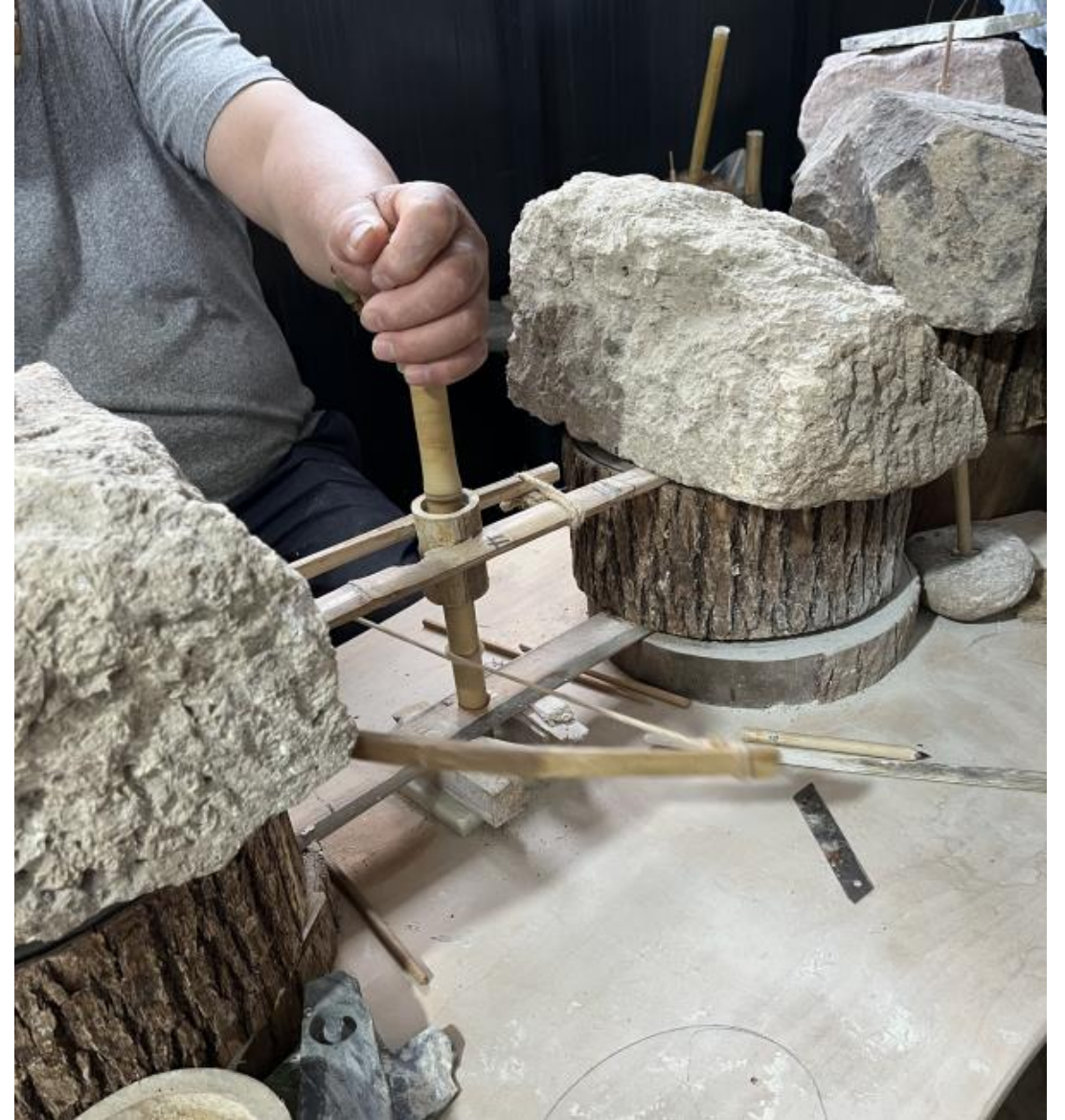






Drilling















Carving





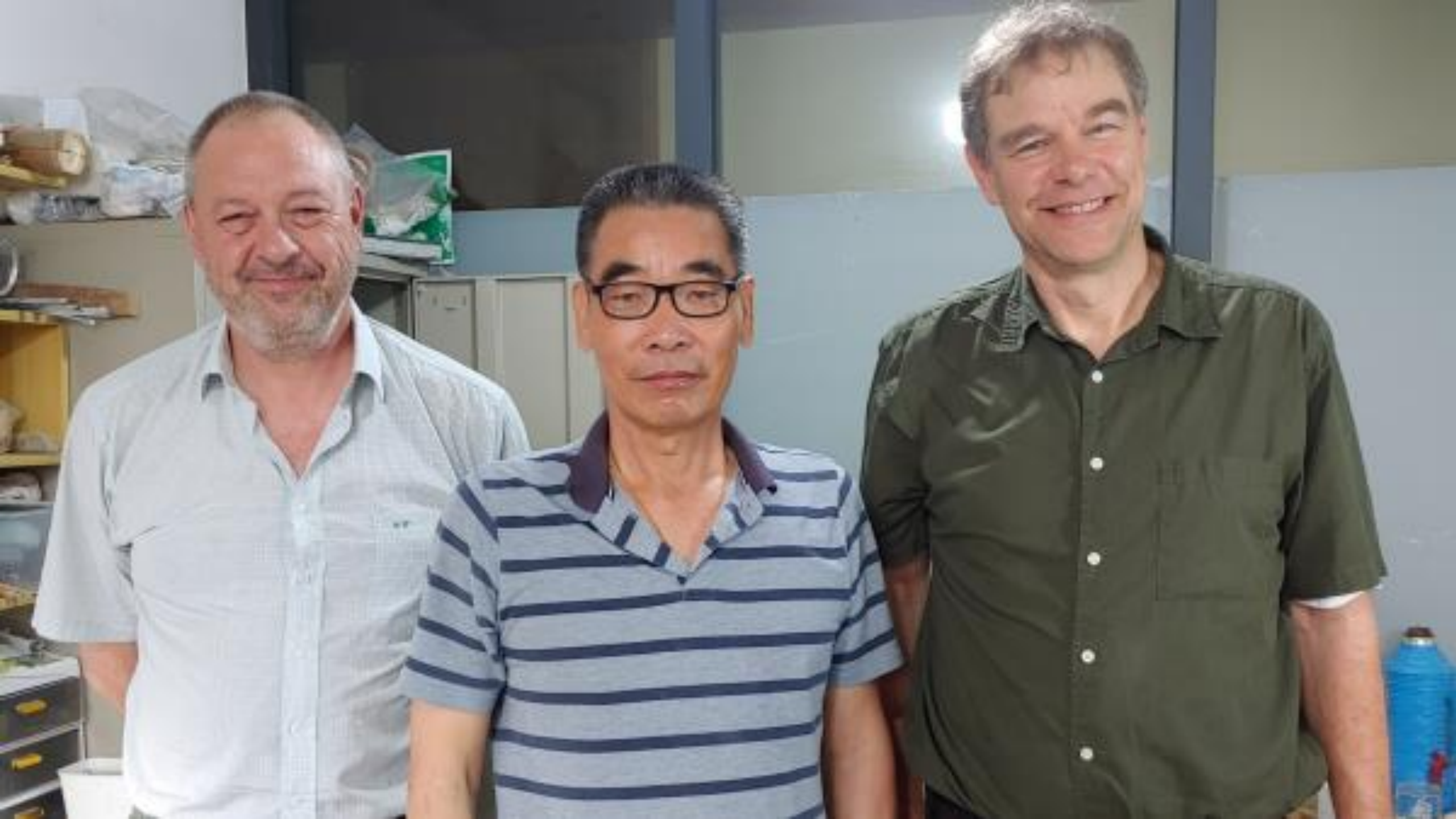






- 1: Bamboo-saw
- 2: String-saw
- 3: Drilling small hole / Carving
- 4: Carving
- 5: Drilling large hole





Thank you
marc.winter@u
zh.ch

