

MORPH 2019 Sendai

A conference on the Archaeological Application of Morphometrics

13-15 September 2019

at Tohoku Forum of Creativity, Tohoku University, Sendai, Japan

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In collaboration with

Frontier Research Institute for Interdisciplinary Sciences (FRIS), Tohoku University

Department of Archaeology, Graduate School of Letters and Arts, Tohoku University

Tohoku Forum for Creativity, Organization for Research Promotion, Tohoku University

Japan Association for Archaeoinformatics (JAAI)

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General Program

13 September

AM: Registration (no lunch meal provided)

PM (13:00~16:30)

Workshop #01 *Introduction to Geometric Morphometrics in Archaeology*

by Christian Steven Hoggard (Southampton University)

evening: Icebreaker

14 September

AM (9:00~12:00)

Workshop #02 *Reproducibility and Transparency in Archaeological Science using R
and Related Tools* by Ben Marwick (The University of Washington)

lunch

PM: Plenary Session *Recent Progress of Morphometrics in Archaeology and Anthropology*

Evening: Conference Dinner

15 September

AM and PM: Oral and Poster Presentations

16 September

Guide Tour to Tomizawa Site Museum (in Sendai City) *optional

Plenary Session

Recent Progress of Morphometrics in Archaeology and Anthropology

14 September at Tohoku Forum of Creativity 3rd floor

13:20~14:10

1. Typology and morphometrics: How we see and interact with things

by Naoko Matsumoto (Okayama University)

14:10~15:00

2. What Shape can tell us about Homo erectus' Mind

by Cory Marie Stade (Southampton University)

(15:00~15:20 *Coffee Break*)

15:20~16:10

3. Integration and modularity of the primate pelvic girdle

by Katrien G. Janin (The University of Cambridge)

16:10~17:00

4. Inferring the anatomy of the Neanderthal brain using geometric morphometrics

by Naomichi Ogiwara (The University of Tokyo)

Oral and Poster Presentations

15 September at Tohoku Forum of Creativity 3rd floor

Time table

No.	Time	Title	Author
	9:00	<i>Opening address</i>	
1	9:10~9:35	Estimating Missing Landmarks in GMM	Hist <i>et al.</i>
2	9:35~10:00	Canonical Variate Analysis	Hist <i>et al.</i>
3	10:00~10:25	Lithic Illustrations in Morphometric Analyses	Hoggard <i>et al.</i>
	10:25~11:00	<i>Coffee break</i>	
4	11:00~11:25	Morphometric and Experimentative approaches for Strategic Diversity	Kumagai
5	11:25~11:50	EUP lithic technology in NE Paleo-Honshu Is.	Noguchi <i>et al.</i>
	11:50~12:00	Discussion	
	12:00~13:00	<i>Lunch</i>	
	13:00~14:00	Poster core time	
6	14:00~14:25	Understanding technology through shape	Pederson and Riede
7	14:25~15:00	Shaping the terminal Pleistocene bifaces	Noguchi <i>et al.</i>
	15:00~15:30	<i>Coffee break</i>	
8	15:30~15:55	Relationship between Ancient Shell and Stone Adze	Yamagishi and Tamura
9	15:55~16:20	Beyond Relative-Chronologies	Loftus
10	16:20~16:45	Investigating social change during cultural contact period	Wang and Marwick
	16:45~16:50	Discussion	
	16:50~17:00	Closing remarks	

Poster presentation

No.	Title	Author
1	The Genetic Architecture of Facial Traits among West African	Olowo
2	Geometric Morphometrics of human fetal brain development	Yamaguchi <i>et al.</i>
3	Morphological similarity of pottery	Tateuchi
4	3D surface morphology of hammer stones	Noguchi <i>et al.</i>
5	Morphology of Middle Yayoi Pottery in northern Kyushu	Hirakawa <i>et al.</i>
6	EFA on the Ongagawa Yayoi Pottery	Tamura <i>et al.</i>
7	Quantifying the morphological trend of key-hole shaped Kofun	Tamura <i>et al.</i>
8	Quantifying morphological variation of Bronze and Iron arrowheads	Tamura <i>et al.</i>