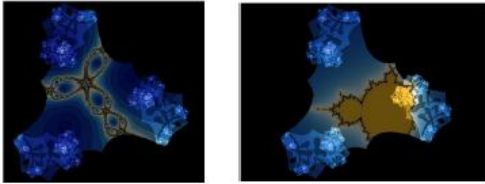




*Pavilion. By Hyerin Seo '18*



*Brave. By Holly R. Langley '19*



*Ink: A Drop of Serenity. By Hengwang Lyu '20'*

## IV. Chinese Manuscript Culture



*融会古今: Continuum.  
By Evangeline 之仪 Wang '19*

*Zhao's Manuscript after a Fire.  
By Prof. Wen Xing*

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法取

### *Welcome to the Reception*

*4:15 pm to 5:15 pm, Thursday, May 18,  
2017 Russo Gallery, Dartmouth College*

### Acknowledgements

Special thanks to Rebecca E. Biron, Thomas K. Candon, Erin P. McMahon, Katherine Schroer, Sharon M. Tribou-St. Martin, Angela Zhang, and all the participants of the Arthur Vining Davis Foundation "Fractal Calligraphy" mini-seminars in Winter 2017.

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## FRACTAL CALLIGRAPHY: Explorations in Technical Calligraphy Studies, Chinese Manuscript Culture, and Mathematical Art History

分形书法：技术书法学、  
中国手稿文化、数理美术史的探索



*BUDDHA. By Prof. Wen Xing; Calligraphy by Master Hongyi*

April 28 - May 19, 2017  
Russo Gallery, 29 North Main Street  
Hanover, N.H. 03755

Wen Xing 邢文  
Professor & Curator  
Dartmouth College  
Wen.Xing@Dartmouth.EDU



## Introduction

As an application of part of Technical Calligraphy Studies, fractal calligraphy presents both the mathematical beauty in fractal dimensions and the cosmological significances of traditional Chinese calligraphy. When Mathematical Art History traces the prehistorical mathematical marks and inscriptions on early bones and jades, etc., it illustrates earliest fractal inscriptions that shed lights on fractals such as those inscribed on prehistorical jades and casted on early historical bronzes:



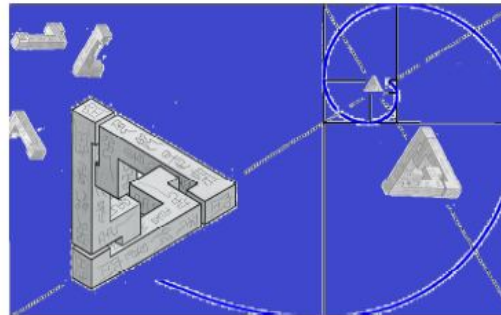
2D Fractals on a Liangzhu Jade. 3D Fractals on a Zenghou Yi Bronze.

Over twenty pieces of fractal calligraphy works presented in this first ever exhibition of fractal calligraphy were created by the students of Professor Wen Xing's Dartmouth "Chinese Calligraphy," "Chinese Calligraphy and Manuscript Culture," "Classical Chinese Poetry" courses and the AVDF "Fractal Calligraphy" workshop series. These works can be divided into four groups: (1) works illustrating the "Perspective of Mathematical Art History," (2) "Believes and Blessings" of the three traditional Chinese religious/philosophical teachings, (3) "love and families," and (4) works of "Chinese Manuscript Culture." The following selected pieces are so arranged accordingly.

## I. Perspective of Mathematical Art History



The Four Winds from the Four Cardinal Directions. By Wen Xing



Form Is Emptiness: An Impossible Mathematical Draft. By Prof. Wen Xing

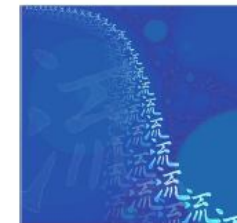
## II. Believes and Blessings



Confucian. By Prof. Wen Xing 福(Blessings). By Yifan He '20



Golden Dao. By Addison Lee '17



Flow. By Ashley Kekona '18



Profound Mystery in the Spiral. By Jingwen Liu '18

## III. Love and Families



Family. By Mary Versa '20



Love. By Tian Xing, HHS



Eternal Happiness. By Matthew Sindelar '18