

First Announcement:



# The Sixth International Symposium on Biological Shape Analysis (ISBSA)

June 25 – 28, 2019

Nausicaa, Boulevard Sainte-Beuve, Boulogne sur mer, France

The human visual system is especially sensitive to movement and particularly to the shape or outline of forms. The boundary constitutes an important element of the biological form in terms of image analysis, pattern recognition and classification. However, the need to translate this visual information into the precise language of mathematics continues to offer challenges. Techniques dealing with biological shape analysis have been increasingly applied in various disciplines such as anatomy, anthropology, agricultural genetics, botany, dentistry, entomology, forensics, human evolution, medicine, paleontology, etc. This symposium focuses on methods and applications dealing with the numerical description of forms typically encountered in the biological sciences. The approach of this symposium is intended to be interdisciplinary and bring together international researchers who share common interests in shape analysis whether from a genetic, environmental, growth or evolutionary perspective.

## Some Session Topics:

1. Quantitative methods describing the boundary such as Fourier Descriptors
2. The application of wavelets and related methods to localize shape differences
3. Application of graphic techniques to describe biological shape data
4. Cross-sectional and longitudinal studies of growth tracing changes in shape over time
5. Genetic and environmental factors influencing the formation of shape aspects
6. The role that evolutionary processes play in genotypic and phenotypic changes

## Organizers:

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**Abstract Deadline is April 1<sup>st</sup>, 2019**

**Proceedings to be published by World Scientific Co. Pte. Ltd., Singapore**

Proceedings of this International Symposium of Biological Shape Analysis (ISBSA) have now been published for the first four meetings. Proceedings of the 6<sup>th</sup> ISBSA will be forthcoming

## Request for Registration Materials:

Please complete the information below and mail/email to Pete E. Lestrel  
Name \_\_\_\_\_  
University/Other Affiliation \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State/Province/Prefecture \_\_\_\_\_ Zip/Mail Code \_\_\_\_\_  
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