MIPAR

Image Analysis Software
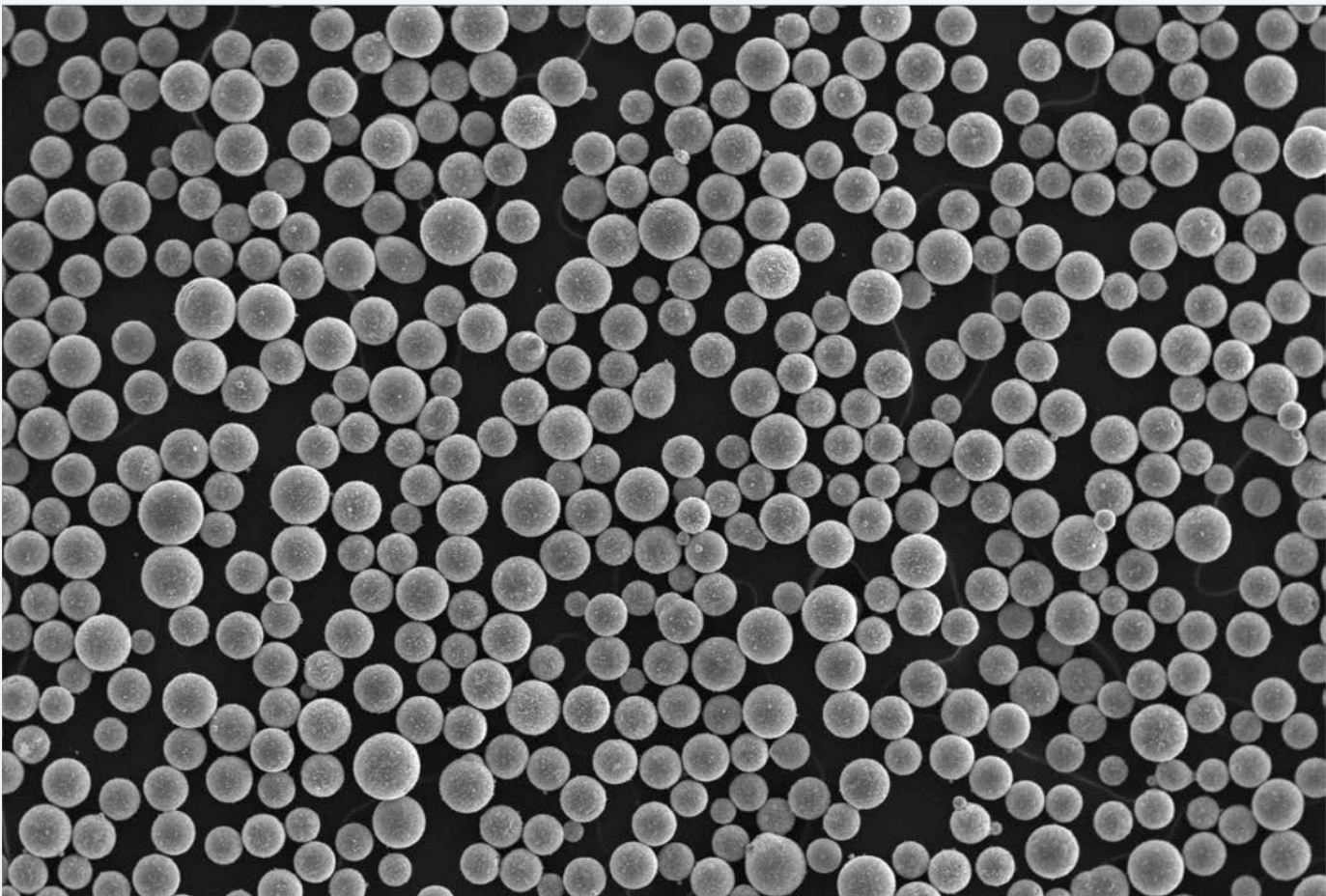
Particle & Fiber Analysis Demo

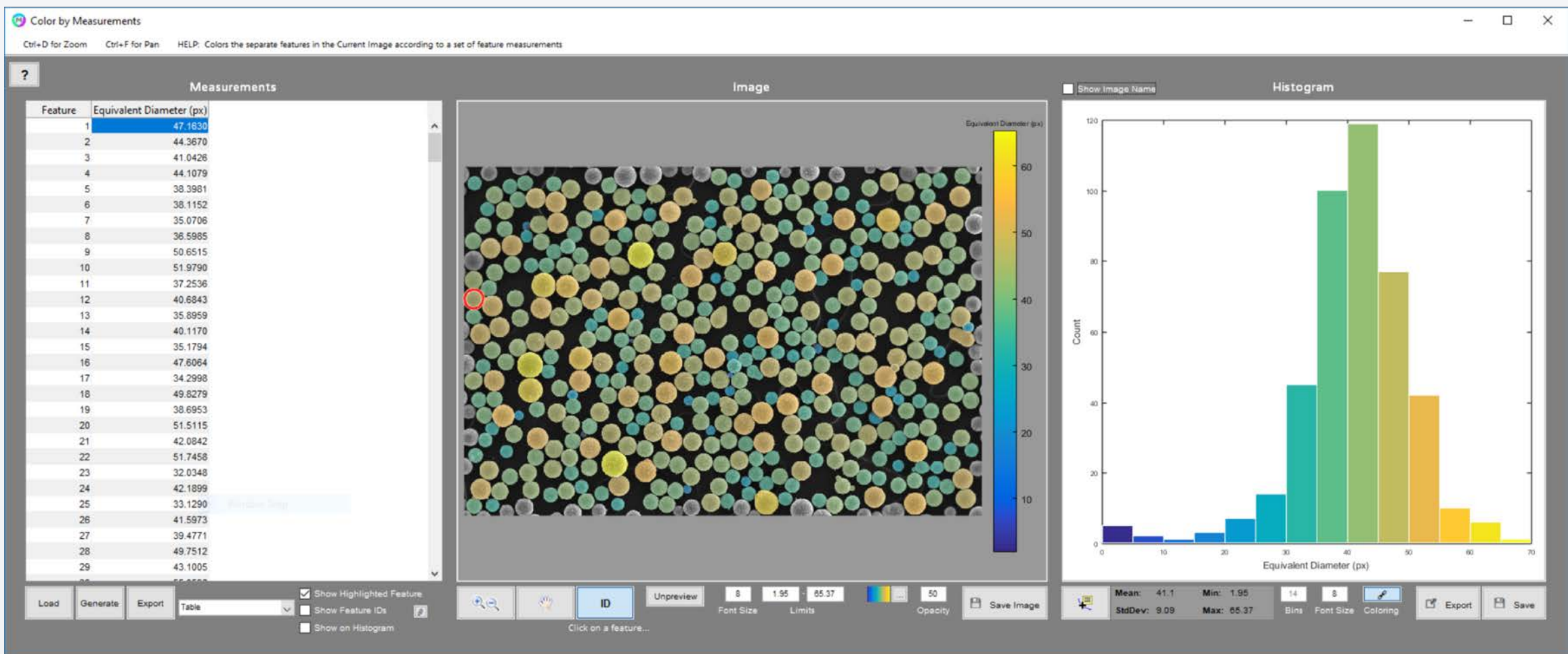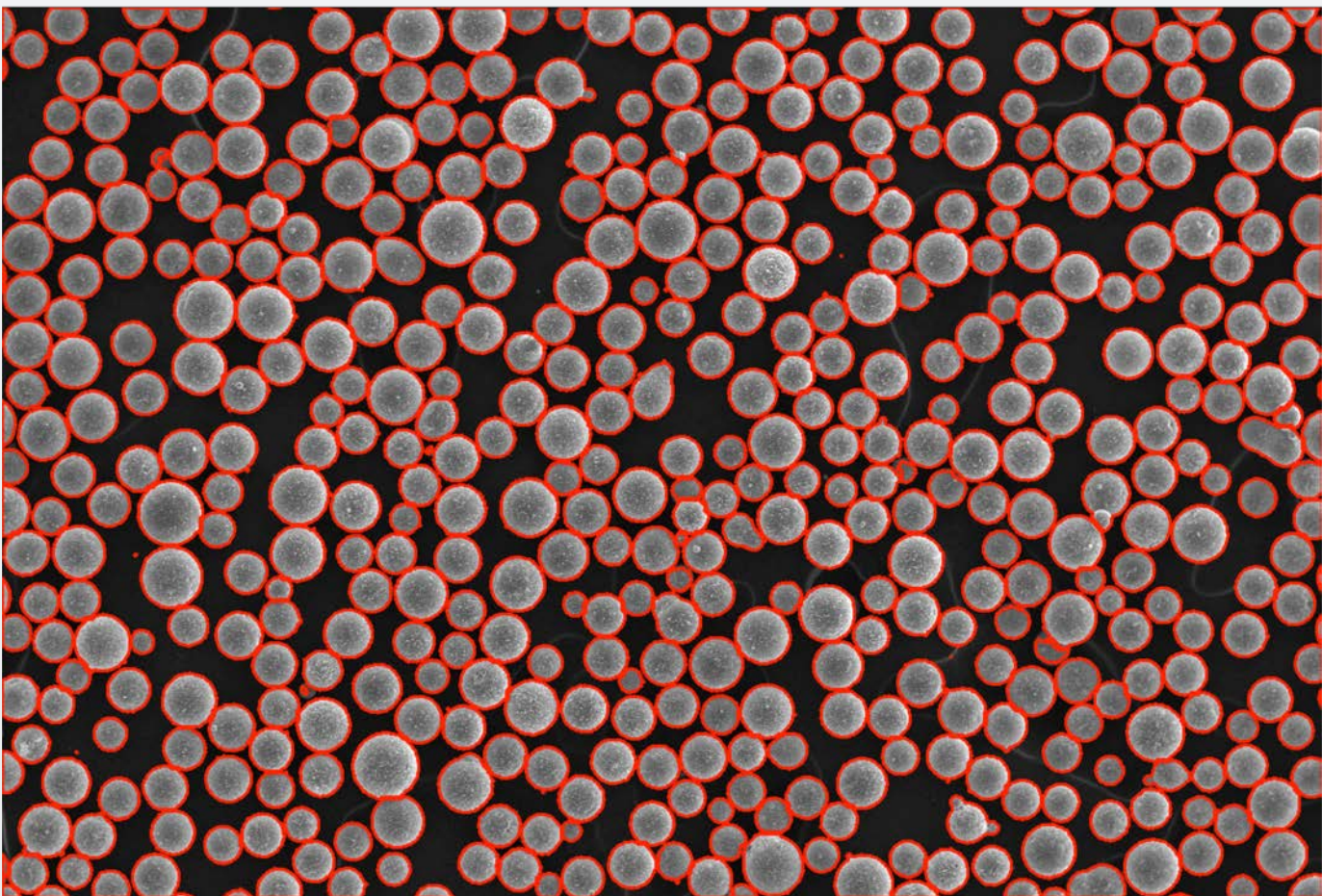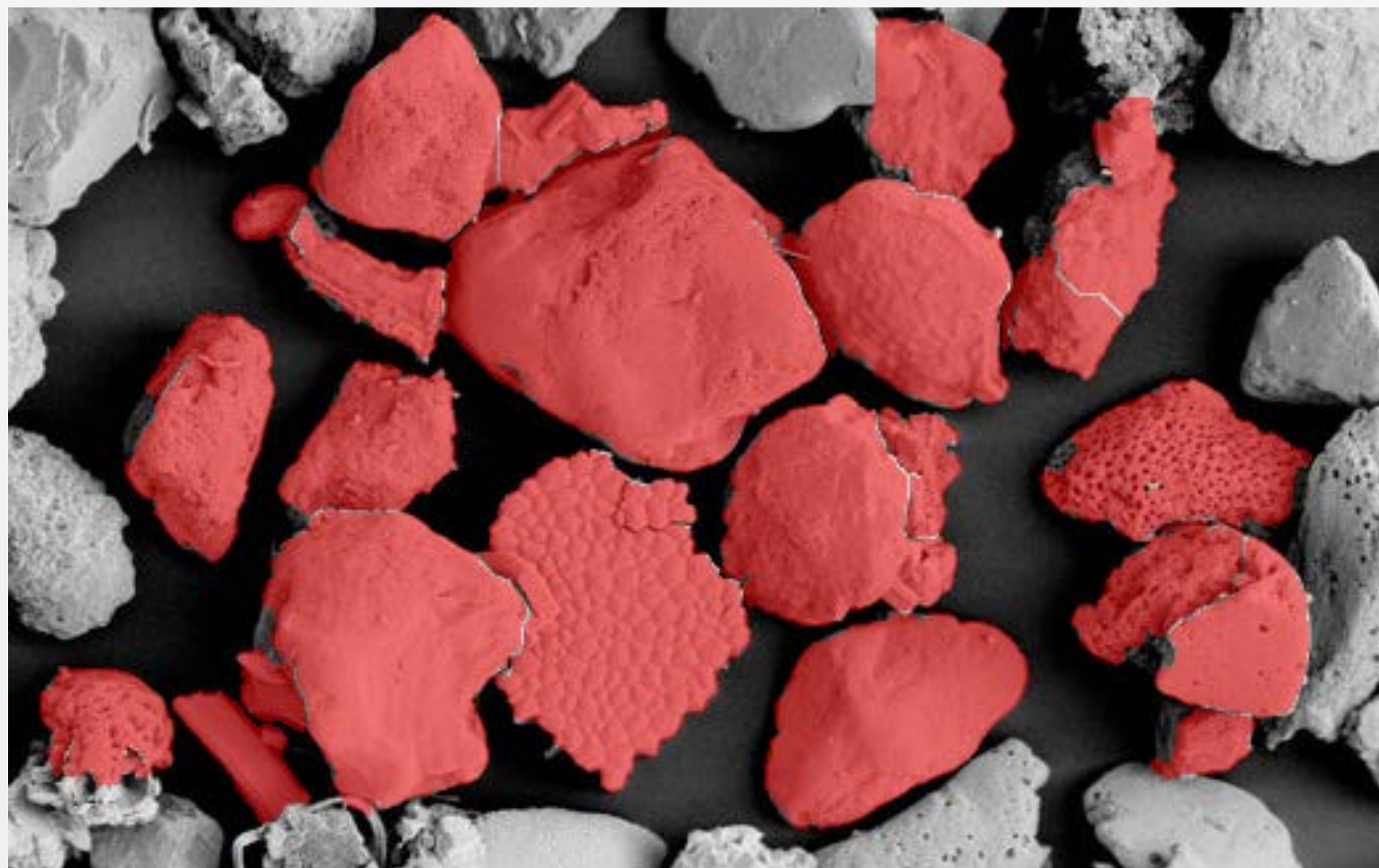SEM Image of Particles is Segmented and Characterized by Size
(Diameter) and Shape (Eccentricity)
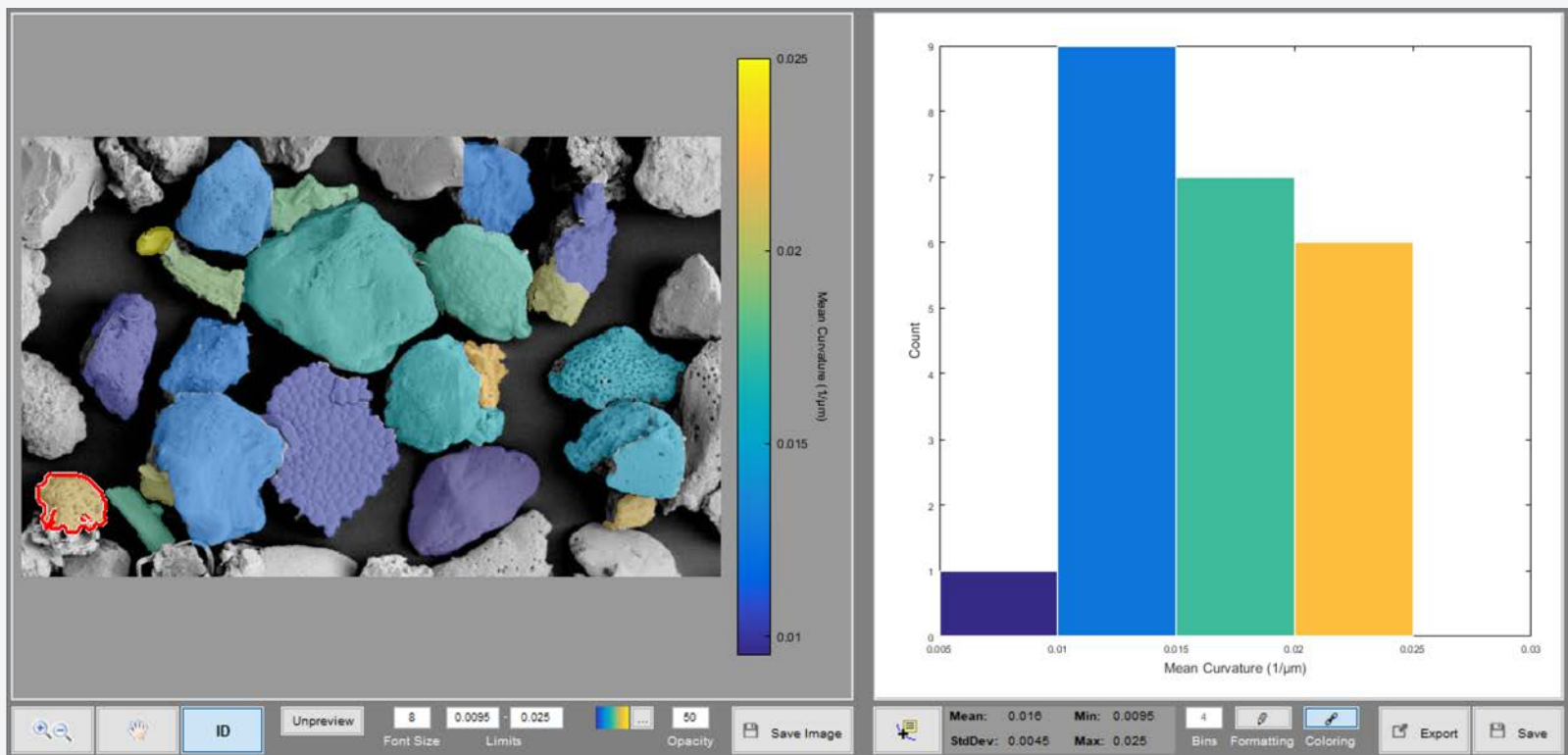
Particle – Shape Analysis

Feature Shape Measurement
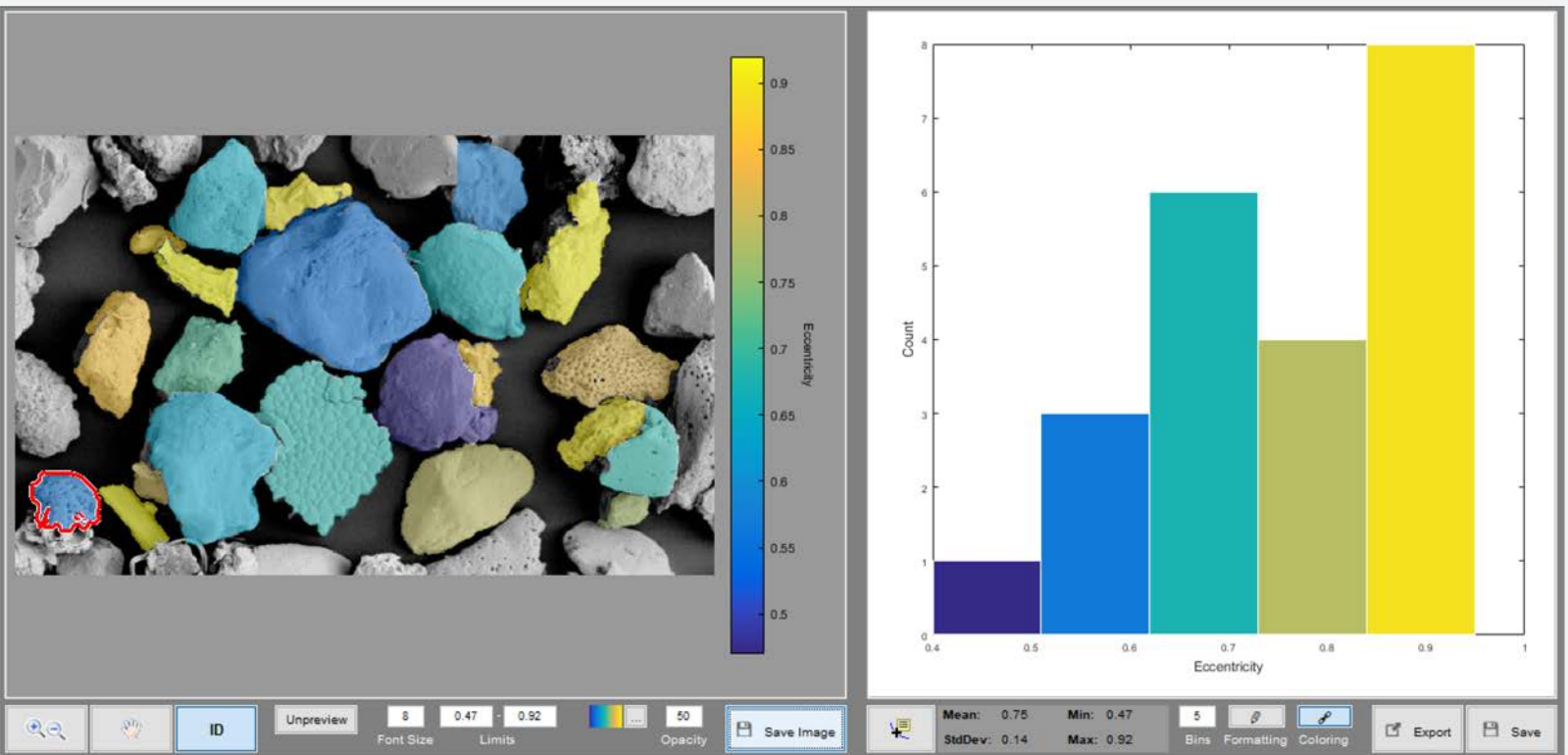
Identified Particles

Curvature

Mean Local Curvature
Dark – Concave Surface Features
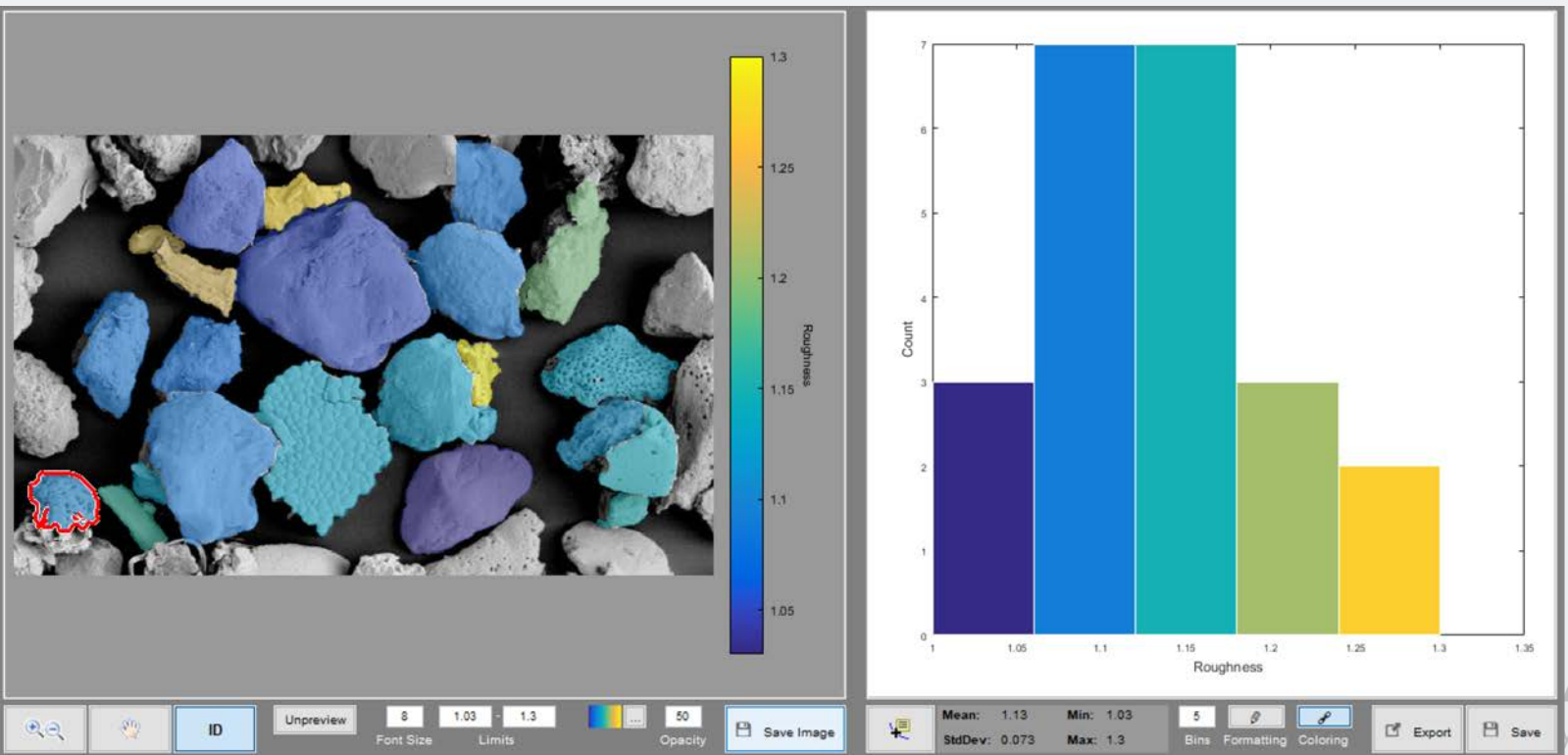Light – Convex Surface Features

Eccentricity

Feature Eccentricity
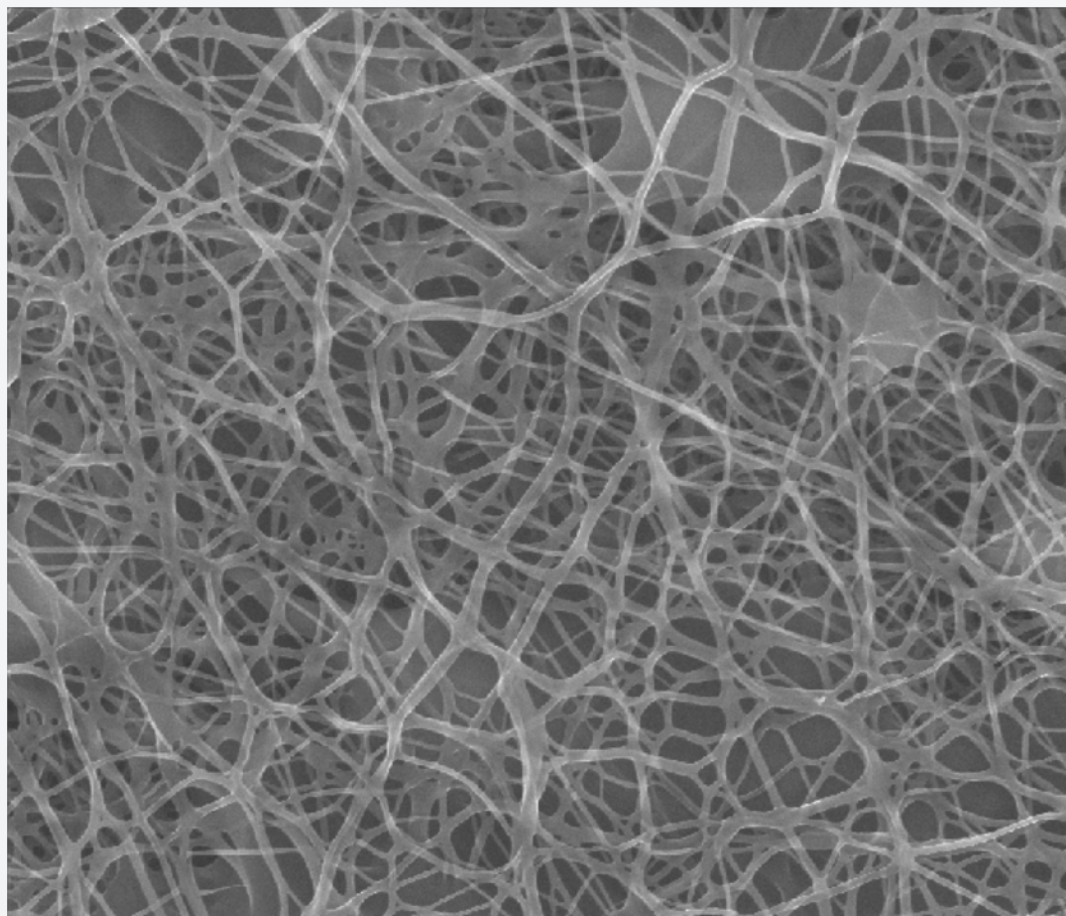Dark – Round
Light – Elongated

Roughness

Feature Roughness
Dark – Low Surface Variation
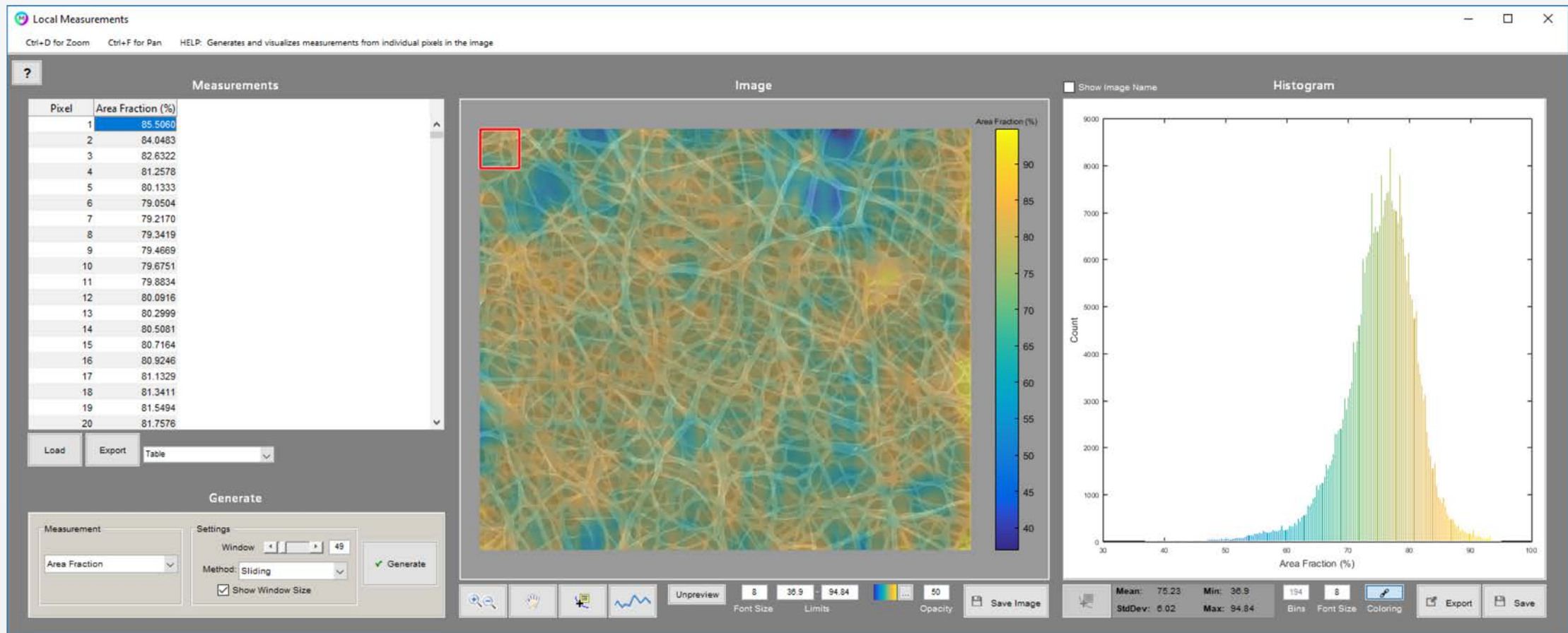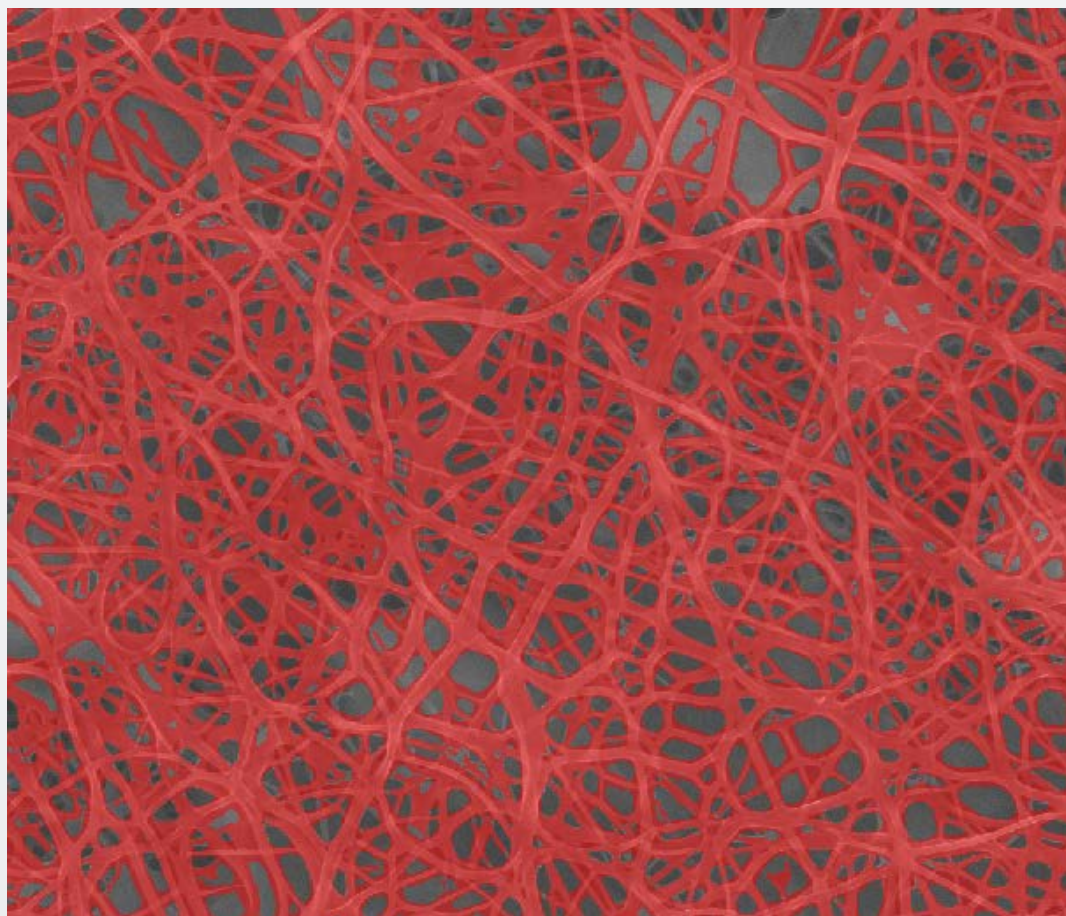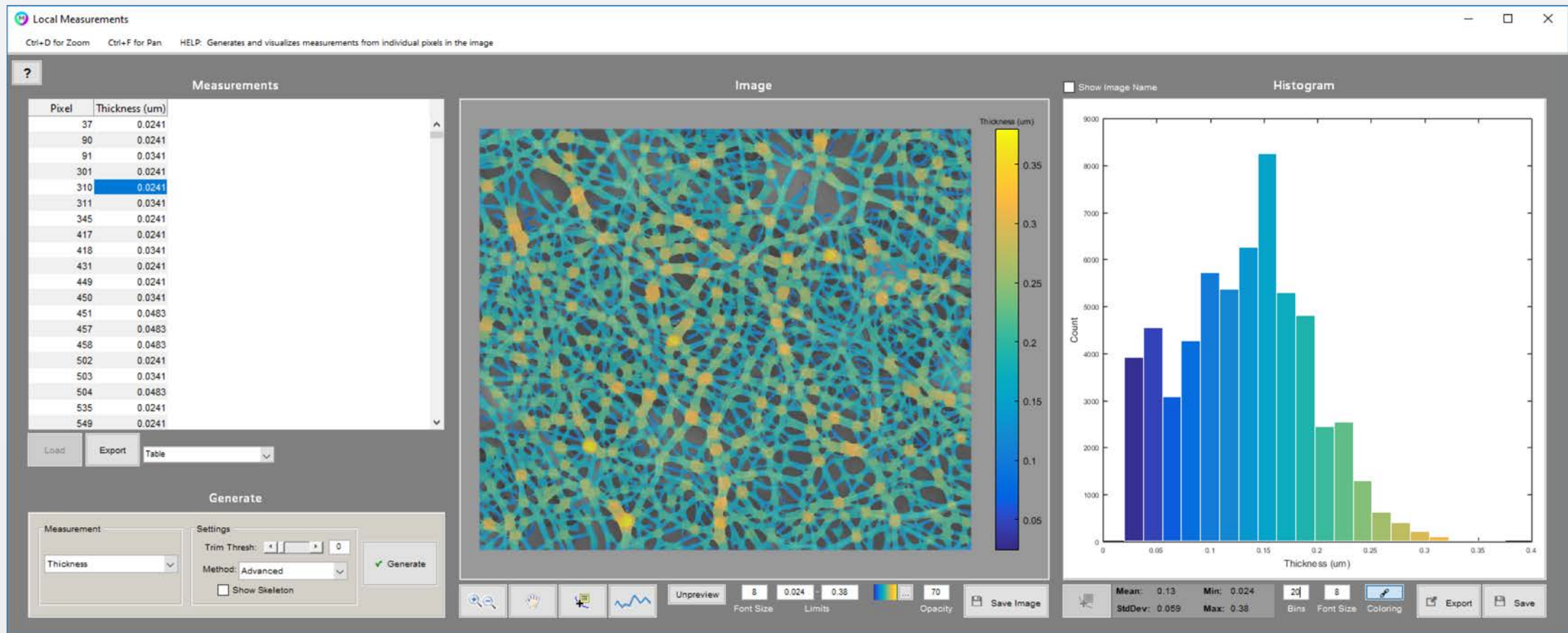Light – High Surface Variation

Fiber Analysis

Original

Local Fiber Density

Identified Fibers

Fiber Thickness Variation

SEM Image of a Fiber Network is Segmented and Characterized by
Local Fiber Density and Local Fiber Thickness