

7th International Conference and Exhibition on

Analytical & Bioanalytical Techniques

September 28-30, 2016 Orlando, USA

Use of novel flow imaging particle analysis in biopharmaceutical formulation (FlowCam®)

Kent Peterson

Fluid Imaging Technologies, USA

Flow imaging particle analysis has shown great promise for analysis of sub-visible particulates in parenteral, especially for protein aggregates. The ability to detect transparent particles, along with the ability to differentiate them based upon shape parameters, yields significantly more detailed and accurate information than can be acquired using common laser diffraction and light obscuration techniques. The addition of color information, along with sophisticated statistical pattern recognition algorithms can also enable these systems to differentiate and quantify silicon oil droplets and air bubbles found in parenteral. This presentation will present the techniques used to accomplish this.

Biography

Kent Peterson serves as the President and CEO of Fluid Imaging Technologies, Inc., a Scarborough-based emerging growth technology firm providing image-based analysis of cells and particles in a fluid medium for numerous applications. He has been named as Mainebiz Leader of the Year in the small business category. Prior to FIT, he has served in a number of high-growth, high technology firms, as well as multinational organizations. He is an Honors Graduate from Boston University's Graduate School of Management and a Member of American Mensa Society.

kent.peterson@fluidimaging.com

Notes: