Ventana Research Forum – Monday, Sept. 12, 2016

The Research & Development team invites you to attend a lecture by Dr. Changhuei Yang, Professor of Electrical Engineering, Bioengineering and Medical Engineering, California Institute of Technology.

Professor Yang's research efforts are in the areas of novel microscopy development and time-reversal based optical focusing.

As we all know, microscopes are complex instruments that are capable of delivering limited image information. Building better microscope has traditionally focused on using complicated optical element arrangements to minimize aberrations.

In his seminar Dr. Yang will discuss his recent work on a computational microscopy method that shifts the challenge of addressing aberrations from the physical world to the computational realm where aberrations become readily solvable mathematical problems. In the process, a standard microscope is enabled to push past its physical optical limitations to provide digital refocusing, improved spatial-bandwidth product and phase imaging capabilities.

Presentation Title: Fourier Ptychography – Using Computation to Address Physical Optical Challenges

Time/Location: Monday, Sept. 12, noon to 1 pm in Auditorium ABCD and the Employee Area in Mountain View (WebEx)

Presenter: Changhuei Yang, PhD

Box lunch will be offered to the first 40 people at 11:45 am. Please come early to secure a seat. For Mountain View participants Pizza will be available in the Employee area.

If you missed the previous lectures, visit the archive page for video access.