UNIVERSITY OF CALIFORNIA
UC RIVERSIDE | Materials Science and Engineering

WINTER 2021 COLLOQUIUM SPEAKER

JANUARY 20, 2021

Wednesday's 1-1:50pm ZOOM

Electron Microscopy and Its Capabilities

An overview introduction to the principles of electron microcopy including the fundamental physical principles on which scanning and transmission electron microscopes operation is based along with micro analytical method such as energy dispersive spectroscopy will be presented. Brief examples of application of different electron microscopy methods will be discussed to demonstrate the range of capabilities offered by electron microscopy. Briefly the instrumentation in CFAMM will be introduced.

ZOOM MEETING ID 967 5468 5049 | **PASSWORD: 495951**

Dr. Krassimir Bozhilov

Director of Central Facility for Advanced Microscopy and Microanalysis
UC Riverside

Dr. Krassimir Bozhilov is currently Director of the Central Facility for Advanced Microscopy and Microanalysis at UC Riverside, he is also Adjunct Professor at the Materials Science and Engineering Program. With over 30 years of experience in application of electron microscopy and microanalysis his research is focused on characterizing crystalline materials at microscopic level, understanding their real structure, properties, and behavior as direct consequence of the conditions of crystal growth and phase transformation. His research interests can be divided into three main fields: (i) crystal defects and behavior of minerals; (ii) properties and crystal growth of zeolites; (iii) structural and compositional characterization of nano-crystalline phases.

Please visit the MSE website for the 2020/21 Speaker Lineup