

W0216

Recent Advances in IP and CCD Technology. Joseph D. Ferrara¹, Lee M. Daniels¹, Hugh Garvey², James W. Pflugrath¹, Katsunari Sasaki³, Cheng Yang¹, ¹Rigaku Americas Corporation, 9009 New Trails Dr., The Woodlands, TX, 77381, USA, ²Rigaku Innovative Technologies, 2700 E. Executive Dr., Suite 150, Tucson, AZ 85706, USA, ³Rigaku Corporation, 3-9-12 Matsubara-cho, Akishima-shi, Tokyo 196-8666 JAPAN.

Imaging plate (IP) and charge-coupled device (CCD) detectors have both benefited from improvements in their underlying technologies as well as improvements in electronic technology in general. We will review some of those improvements as well as explore the cutting edge applications that result from those improvements from macromolecular phasing to fragment-based screening to charge density studies.