

Joaquín Calcines, III

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Objective

To secure employment in the fields of Imaging Chemistry, Optics or Photographic Instrumentation

Education

Bachelor of Science - Imaging & Photographic Technology (Expected 2001)
Rochester Institute of Technology, Rochester NY
Concentrations in Imaging Chemistry, Optics and Photographic Instrumentation

Related Coursework

Technical Photographic Chemistry, Chemistry of Dyes and Pigments, Chemistry of Electronic Imaging Materials, Holography, Scanning Electron Microscopy, Photographic Instrumentation

Experience

Laboratory Technician, Analytical Technology Division, Eastman Kodak Company
Rochester, NY (05/00 – present)

Performed analysis of various imaging materials in support of the research division of Eastman Kodak using transmission electron microscopy, energy dispersive x-ray spectroscopy and low temperature luminescence microscopy

Laboratory Technician, Laboratory for Laser Energetics, University of Rochester
Rochester NY (05/99 – 05/00)

Responsible for maintaining several class 10 and class 100 clean rooms, performing preparations for and analysis of holographic diffraction gratings, completing feasibility study of new media for holographic optical element construction.

Teaching Assistant, Scanning Electron Microscopy, Rochester Institute of Technology
Rochester NY (03/00 – 05/00)

Responsible for guiding students in the use of ISI Super IIIA and Model 40 SEMs, sputter coating, critical point drying and other sample preparation techniques.

Teaching Assistant, Photographic Optics, Rochester Institute of Technology
Rochester NY (03/00 – 05/00)

Responsible for preparing materials for and conducting laboratory sessions, assisting students and assigning and correcting weekly out of class assignments.

Teaching Assistant, Technical Photographic Chemistry, Rochester Institute of Technology
Rochester NY (12/99 - 02/00)

Responsible for readying laboratory experiments, review sessions and assisting students for the Technical Photographic Chemistry class within the Imaging and Photographic Technology Department.

Presentations and Publications

“The Kinetics of Silver Halide Conversion,” Undergraduate Research Symposium of the American Chemical Society (Rochester, New York Section), April 29, 2000 (Poster)

"Application of DuPont Photopolymers in the Construction of Diffractive Optical Elements," Society for Imaging Science and Technology, Rochester Chapter Meeting, May 19, 2000

“The Kinetics of Silver Halide Conversion,” Society for Imaging Science and Technology, International Conference on Silver Halide Technology, September 11-14, 2000 Sainte-Adele, Quebec, Canada

“Silver Halide Recrystallization: I. Qualitative Kinetics for the Conversion of AgCl to AgClBr,” Submitted for publication, Journal of Imaging Science and Technology

“Factors Influencing the Morphology and Epitaxial Growth Rates of Mixed Silver Halide Phases” Particles 2001, jointly sponsored by The American Chemical Society, The American Institute of Chemical Engineers, and The International Fine Particles Research Institute, Orlando, Florida, February 24-27, 2001

“Factors Influencing the Morphology and Epitaxial Growth Rates of Mixed Silver Halide Phases” International Society for Optical Engineering (SPIE), OPTO Northeast and Imaging 2001, Rochester, New York, April 10-11, 2001 (Poster)