Research Experience for Undergraduates at the EUV ERC

EUV Center REU student projects...

Franklin Dollar
Project title: EUV Metrology
Collaborators: Erik Gullikson, A. Aquilla

Ronald Martin
Project title: Fabrication of EUV Transmission Filter
Collaborators: David Attwood, Keith Jackson and Erik Anderson

Reinaldo Santos Ortiz
Project title: Characterization of Gaussian Laser Beams Using High Resolution CCD Camera for Applications in Ultrafast X-Ray Generation
Collaborators: Daisy Raymondson, Henry C. Kapteyn and Margaret M. Murnane

Mark Dansson
Project Title: Double-Chirped Mirrors for Desired Dispersion Characteristics
Collaborators: A. Lytle, H. Kapteyn, M. Murnane

Nnadozie Onunkwo
Project title: Designing a Laser Beam Stabilizer to Enhance the Stability of Ultrafast EUV Generation
Collaborators: Chi-Fong Lei, Henry C. Kapteyn and Margaret M. Murnane

Yu Ping Shao
Project title: High-resolution laser microscopy using compact tabletop EUV source at 46.9 nm
Collaborators: C. Brewer, F. Brizuela, M. Grisham, G. Vaschenko, C.S. Menoni, and J.J. Rocca

Courtney Brewer
Project title: High Resolution Imaging with Table-Top EUV Laser
Collaborators: G. Vaschenko, F. Brizuela, M. E. Grisham, C.S. Menoni and J.J. Rocca

Gerald Castillo
Project title: The Effects of Annealing on Film Stress Deposited With Ion Beam Sputtering
Collaborators: A.Dummer, F. Brizuela

Kevin Lee
Project title: Group Delay Measurement Through White-Light Interferometry
Collaborators: F. Furch, C.S. Menoni
Herman Bravo
Project title: Interferometer for High Resolution EUV Metrology
Collaborators: Vaschenko, C. Brewer, C.S. Menoni, and J. J. Rocca

John Miller
Project title: Measuring electron density of dense colliding plasmas using a soft x-ray diffraction grading interferometer
Collaborators: J. Grava, M. Purvis, J. Filevich, J. Rocca

Kregg Quarles
Project title: Crossed Phase Gratings for EUV
Collaborators: Dr. Keith Jackson, Dr. Willie Rockward

Erika McKinney
Project title:
Collaborators: David Attwood, Keith Jackson and Erik Anderson