

**JEFFREY S. CORGAN**

**Telephone:** 856.861.6168 | **Email:** jeff@corgan.org

**EDUCATION**

**Rutgers University – Camden, NJ (2004 – 2010)**

B.A. Physics

**New Jersey Institute of Technology (2010 – Present; Expected Graduation Date: May 2012)**

M.S. Materials Science and Engineering

**POSITIONS HELD**

**Rutgers University – Camden, NJ**

**Office Assistant – Administrative Services (2004 – 2007)**

Supervisor: Ms. Mary Krebs

Description: answering and routing calls, voice-mail maintenance, work order submission, dispatching maintenance, reviewing vendor purchasing accounts

**Rutgers University – Camden, NJ**

**Assistant to Laboratory Instructor – Department of Physics (2007 – 2010)**

Supervisor: Mr. Israel Gurfinkiel

Description: photocopying, lab preparation, stock room maintenance, computer maintenance, occasional lecturing, exam proctoring and recitation

**Rutgers University – Camden, NJ**

**Undergraduate Research Assistant; Laser Materials Interactions Lab – Department of Physics (2009 – 2010)**

Supervisor: Dr. Daniel M. Bubb

Description: data acquisition and analysis, computer interfacing, performing research at Naval Research Lab (Washington, DC), train junior research assistants, design of laboratory apparatuses

**Rutgers University – Camden, NJ**

**Part Time Lecturer; Lab Instruction – Department of Physics (2010)**

Course: General Physics II

Description: create lesson plans, instruct and assist students, plan and grade laboratory experiments and exams

**New Jersey Institute of Technology**

**Workshop Facilitator & Proctor – Department of Physics (2010 – Present)**

Supervisor: Dr. Oktay Gokce

Description: assisting students with workshop material, grading, exam proctoring

## **PUBLICATIONS**

Daniel M. Bubb, Sunyong Yi, John Kuchmek, Jeffrey Corgan, Michael Papantonakis, *Laser processing of poly(methyl methacrylate) Lambertian diffusers*, **Applied Surface Science**, Volume 257, Issue 1, 22-24 (2010); doi:10.1016/j.apsusc.2010.06.015

Daniel M. Bubb, Jeff Corgan, SunYong Yi, Mishae Khan, Leon Hughes, Ullas Gurudas, Michael Papantonakis and R. Andrew McGill, *An experimental investigation of inhomogeneities in resonant infrared matrix-assisted pulsed-laser deposited thin polymer films*, **Applied Physics A Vol. 100, No. 2**, 523-531 (2010); doi:10.1007/s00339-010-5854-2

Robert Furstenberg, Michael Papantonakis, Christopher A. Kendziora, Daniel M. Bubb, Jeffrey Corgan and R. Andrew McGill, *Laser vaporization of trace explosives for enhanced non-contact detection*, **Proc. SPIE 7665, 76650Q** (2010); doi:10.1117/12.850385

## **HONORS & AWARDS**

### **2010 Margaret Marsh Undergraduate Research Award Rutgers University – Camden**

Project: *Resonant Laser Desorption of Particles from Contaminated Surfaces*, conducted with faculty mentor Dr. Daniel M. Bubb of the Department of Physics.

### **2010 Physics Department Award Rutgers University – Camden**

*References available upon request.*