

Education:

- **Rensselaer Polytechnic Institute**, Troy NY: Masters of Science in Lighting, Aug 2011
- **Rhode Island School of Design** Providence RI: BFA Furniture Design, June 2002

Member:

- **IESNA** (Illuminating Engineering Society of North America)

Publications:

- Bullough, John D., Kate Sweater Hickcox, N. Narendran. **A Method for Estimating Discomfort Glare from Exterior Lighting Systems**. ASSIST, LRC. Vol 9, Issue 1 April 2011
- Bullough, JD PhD, K Sweater Hickcox, TR Klein M and Narendran N PhD. **Effects of flicker characteristics from solid-state lighting on detection, acceptability and comfort**. Sept 2011, Lighting Research and Technology Journal Vol 43: 337-348
- Bullough, JD PhD, K Sweater Hickcox BFA, TR Klein M, A Lok BS and Narendran N PhD. **Detection and Acceptability of Stroboscopic Effects from Flicker**. Submitted Apr 2011 to Lighting Research and Technology Journal
- Figueiro, Mariana G. PhD, Kate Sweater, et al. **The impact of Self-luminous Electronic Devices on Melatonin Suppression**. Submitted Dec 2010 to the Society for Information Displays (SID) annual conference proceedings

Awards:

- **Bailey Scholarship Award Winner 2010**: Award for entrepreneurialism in lighting
- **Faculty Graduate Recognition Award 2011**: From RPI Architecture department for Excellence in the Study of Architecture and General Academic Achievement by a Lighting Research Graduate
- **First Place Winner, Sylvan R. Shemitz Memorial Scholarship Winner 2011**
- **Second Place Winner and Citation for Technical Achievement, Robert Bruce Thompson Light Fixture Design Competition 2011**

Work Experience:**Freelance Lighting Design**, NY: Nov '08- Current

- Daylighting analysis for private residence, Towne's House, April '12 - May '12
- Designing lighting for artist Adam Zaretsky, March '12 - July '12
- Lighting Design for Private residential library, Rosenthal House, June '11 – Sept '11
- Lighting Design and custom fixtures for "Exposed" fundraiser for Albany Barn, May '11 – Oct '11
- Freelance lighting designer for Focus Lighting and Aurora Lampworks, NY, Nov '08 – Sept '09

Lighting Research Center, RPI, Troy NY: Senior Research Specialist, July '11- Current
Research in the field of lighting, from technologies to applications and energy use, from design to health and vision.

Baldinger Architectural Lighting, Queens NY: Design Engineer, July '07- Nov '08
Engineer lighting fixtures (made on premises) for organizations worldwide

Focus Lighting, New York NY: Junior Lighting Designer, Sept '06- July '07
Assistant Designer working on all aspects of architectural lighting design, concept and building, for hospitality, restaurants, theaters and custom lighting installations worldwide

Kent Bloomer Studio, New Haven CT: Lighting/ Ornament Designer, April'06- Sept '06
Ornamental sculpture, clay model-making, technical drawings of lights/ ornament for proposals.

Aurora Lampworks, Brooklyn NY: Project Manager, Designer, July'04- Nov '05 / Freelance '09
Directing many large-scale lighting projects, both custom and restoration. Designing for the shop and coordinating with architects and construction teams to produce exciting designs and to ensure efficient installations

Skills:

- Holds certificate of completion: NIH course "Protecting Human Research Participants"
- AutoCAD (3-D), Adobe Suite (Illustrator, Photoshop), SolidWorks, Excel, Word, AGI32, Sketchup, LabView (basic), SPSS, MatLab (basic)
- Blueprints, scale drawings/models, hand drawings/renderings
- 3-D work including figurative sculpting, casting, molds, models
- Woodshop skills (planeing, joining, bending, etc), Metalworking (TIG, MIG, Arc welding, Oxy-Acetylene, forging, casting, fine-soldering/silver), waxworking, casting plastics/resins, patternmaking, sculpture, CNC, lasercutting Oxy-Acetylene, forging, casting, fine-soldering/silver), waxworking, casting plastics/resins, patternmaking, sculpture, CNC, lasercutting