

# Richard Elaver

[www.designercraftsman.com](http://www.designercraftsman.com)

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## Objective

Expand the expression of the overlapping spheres of Art and Design through research, design development, and technical application in the physical world

## Profile

### Designer

- Experienced in the design of medical equipment, consumer products, sporting goods, & furniture
- Strong skills in creative problem-solving, ideation, design conceptualization, & illustration
- Project Management experience including proposal writing, budgeting, human resource management and client interface
- Experience in design for manufacturing, CAD/CAM, model making, and technical sculpture
- Software experience: Rhino3D, 3D Studio Max, Maya, SolidWorks, MasterCAM, Photoshop, Illustrator, SketchUp

### Artist

- Professional experience as studio artist, production jeweler, and blacksmith
- Strong exhibition record, as well as experience in exhibition design and curation
- Proficient with a broad range of traditional studio techniques, including metal fabrication, woodworking, clay modeling, mold making, casting, and machining
- In-depth experience with the integration of digital methods in creative process, including CNC operation, rapid prototyping, and laser-cutting

### Educator

- Broad experience teaching diverse subject matter, from digital design to blacksmithing
- Experience in curriculum development, including program design, course proposals/outlines, planning syllabi, and structuring material for varied levels
- Effective committee participation and leadership, from department to University level
- Strong interpersonal skills working with students, faculty, staff, and administration
- Successful in grant-writing for advanced research

## Education

### Masters courses in Art History

Universiteit Leiden

8/05 – 1/06

Leiden, Netherlands

- Funded by Fulbright Fellowship
- Completed courses in History of the Applied Arts
- Independent research in history of craft and design

### Master of Fine Arts

Cranbrook Academy of Art

6/05

Bloomfield Hills, MI

- Albert and Peggy Desalle Merit scholarship, 2004
- DeRoy Foundation Merit Scholarship, 2003

### Bachelor of Science in Art

University of Wisconsin

6/99

Madison, WI

- Undergraduate Senior Research Fellow
- Hildale Foundation Undergraduate Research Fellow

## Teaching Experience

### Assistant Professor of Industrial Design

Appalachian State University

8/10 - present

Boone, NC

Department of Technology & Environmental Design

- Teaching beginning and intermediate design courses
- Curriculum development and new course design

### Assistant Professor of Design

Indiana Purdue Fort Wayne

9/06 – 8/10

Fort Wayne, IN

- Taught beginning and advanced design & 3D modeling courses
- Curriculum development and new course design, including online courses
- Foundations Coordinator, Fall 2008 – Spring 2010

- Department Representative to University Senate, Fall 2007 – Spring 2010
- Chair of College Technology Committee 2007-8

**Design Instructor**

Kendall College of Art and Design

- Developed and taught interdisciplinary course: Bio-Digital Design

Summer, 2007  
Grand Rapids, MI

**Professional Experience**

**Designer**

Droog Design

- Exhibit design, product design, model-making, CAD modeling
- Communications between designers, manufacturers, and curators
- Created installation manuals for international traveling exhibitions

12/05 - 11/06  
Amsterdam, Netherlands

**Furniture Designer**

Scott Klinker Designs

- Design conceptualization, CAD modeling, prototype building

5/04 - 10/04  
Bloomfield Hills, MI

**Product Designer**

Design Concepts, Inc

- Concept development, from sketches to production
- Interdisciplinary design process with researchers, engineers, and model-makers
- Project management and regular client interface

9/00 - 9/03  
Madison, WI

**Professional Involvement**

**Watauga County Arts Council – Board Member**

Board Member

10/10 - present  
Boone, NC

**Siggraph 2011**

Art Exhibition Subcommittee Member

9/10 – 8/11  
Vancouver, BC, Canada

**Siggraph 2010**

Art Exhibition Chair

9/09 – 8/10  
Los Angeles, CA

**CADlaboration**

Contributing Member

11/07 – present  
Philadelphia, PA

**Workshops Taught**

**Modular Organic Building Systems**

Miami University

*Multi-disciplinary workshop involving students in engineering, architecture, and art  
Integration of 3D modeling and rapid-manufacturing for a three-day team-based workshop*

9/11  
Oxford, OH

**Toolmaking for Chasing & Repousse**

Penland School of Crafts

*Two-week craft-based workshop in metalsmithing studio  
Taught traditional and digital processes, focusing on hand-made steel tools*

7/11  
Penland, NC

**Scripting in Rhino 3D**

Massachusetts College of Art & Design

*One-day workshop with students on Scripting in Rhino3D Software*

4/09  
Boston, MA

**Lectures**

**Teaching Creativity & Design to Non-Designers**

Politecnico di Torino

*Design As Process Annual Conference*

11/11  
Turin, Italy

**Visiting Artist Lecture**

Miami University

9/11  
Oxford, OH

**Humanities Research Cluster Presentation**

Appalachian State University

*Designing the Future: Sustainable and Human-Centered Innovation*

4/15/11  
Boone, NC

**Making It**

Winthrop University Galleries

*Making it in the Real World Lecture Series*

2/28/11  
Rock Hill, SC

**Panel Discussion & Presentation**

11/09

International Digital Media Art Association, iDMAa 2009 Conference  
Panel: *Physical Computing and Hybrid Realities* Muncie, IN

**Visiting Artist Lecture** 4/09  
Massachusetts College of Art & Design Boston, MA

Artist lecture to students and faculty, individual critiques with students

**Visiting Artist Lecture** 2/09  
Kansas State University Manhattan, KS

Lecture to students and faculty in conjunction with exhibition of work

**Algorithmic Design** 3/6/08  
Society of North American Goldsmiths, 2008 Annual Conference Savannah, GA

One of eight conference lectures on individual research

**Bottom-up vs. Top-down Digital Design** 1/19/2008  
CADLaboration Conference, Tyler School of Art Philadelphia, PA

**Visiting Artist Lecture & Biomimicry Workshop** 10/19/07  
University of Michigan Ann Arbor, MI

Biomimetics workshop with 3D art students

**Visiting Artist Lecture** 7/9/07  
SIGGRAPH Conference, Guerilla Studio San Diego, CA

**Visiting Artist Lecture & Droog Presentation** 1/4/07  
University of Wisconsin Madison, WI

**Inside Droog Design** 11/16/2006  
Museum of Arts and Design New York, NY

**Scripting in Rhino** 11/4/2006  
CADLaboration Conference, Tyler School of Art Philadelphia, PA

## Publications

**Leonardo** Summer/2010  
Journal of the International Society for the Arts, Sciences, & Technology

MIT Press; Volume 43, Number 4 Cambridge, MA  
*Introduction to TouchPoint: Haptic Exchange Between Digits*

**Participate: designing with user-generated content** 10/2011  
Helen Armstrong & Zvezdana Stojmirovic, Princeton Architectural Press New York

*Two projects featured in book*

**Manifest v45** 5/2010  
Manifest Creative Research Gallery & Drawing Center Cincinnati, OH

*6<sup>th</sup> Annual Magnitude 7 Guidebook*

**FutureForward** 5/2010  
The BECA Foundation (Bridge for Emerging Contemporary Art) New Orleans, LA

*Exhibition Catalog*

**EarthVisions Art Exhibition** 4/2010  
Museum of Science and Industry, ARC Gallery Tampa, FL

*Exhibition Catalog*

**Indiana University Research & Creative Activity** Spring 2010  
Volume XXXII, Number 2 Bloomington, IN

*Hands-on Sculpture, article about New Frontiers Grant*

**iDMAa Journal** Winter 2009  
International Digital Media Arts Association USA

*Article titled: Adapting Craft, Adopting Technology, Expressing Nature*

## Curating

**Chair of Juried Art Gallery, Siggraph 2010** 9/09 – 9/10  
Oversaw Juried Art process for 2010 international conference Los Angeles, CA

- Assembled jury and review panel, coordinated review process
- 270 submissions, 14 exhibitors selected; over 10,000 attendees at conference

- Worked with editor to create Leonardo publication of exhibit
- Designed exhibition and supervised installation/de-installation

**Artists in Residence Coordinator** 6/07-12/07  
 The Studio at Siggraph Los Angeles, CA  
 Curated group of 6 artists for 1-week residency

**make shift** 1/09 – 2/09  
 Chapman Gallery, Kansas State University Manhattan, KS  
 Curated three-person exhibition

**Awards** **Appstate 2012 University Research Council Grant** 1/10 – 8/10  
 For Modular Organic Systems Project, independent research Fort Wayne, IN  
 \$5,000 campus-wide competitive grant

**Indiana University, New Frontiers in Arts & Humanities** 1/10 – 8/10  
 IU grant for independent faculty research, Tendrils Project Fort Wayne, IN

**Second Place Award** 9/11/2010  
 Allegany Arts Council Cumberland, MD  
*Will's Creek Survey, 2010 Juried Exhibition*

**Honorable Mention, 3D** 9/11/2010  
 Riverside Arts Center Ypsilanti, MI  
*Small Works Juried Exhibition*

**Faculty Development Grant** 6/09 – 6/10  
 College of Visual and Performing Arts grant for faculty research Fort Wayne, IN

**Faculty Summer Research Grant** 6/07 – 11/07  
 IPFW campus grant for independent faculty research Fort Wayne, IN

**Fulbright Fellowship** 9/05-6/06  
 Independent research investigating Dutch designer-craftsmen Amsterdam, Netherlands

**NEOCON Gold Award** 6/03  
 Bretford 'Liquid' Mobile Office Furniture System Chicago, IL

**Best Products of 2002 – USA Today**  
 Wilson Sports, Youth Batting Helmet

**Patents** **Vollrath Chafer Serving Dish** 11/06  
 US Patent D532,647

**Bretford 'Liquid' Furniture System** 2/06  
 US Patents D515,032, D515,033, D515,034, D511,957

**Schutt Football Helmet** 12/05  
 US Patent D512,534

**Pactiv Eating Utensils** 8/05  
 US Patents D510.505, D509.998, D509.709, D509.113, D508.635, D508.380, D507,941

**Wilson Tennis Racket** 7/04  
 US Patents D503.442, 502.517

**Utensil Handle** 2/04  
 US Patent D486,354

**Mobile Storage System** 5/03  
 US Patents D493,640, D492,516, D491,004

**Recent Exhibitions** **The Alchemy of Change** 9/11 – 2/12  
 13<sup>th</sup> Annual Digital Print Exhibition for Art & Science Collaborations New York, NY  
 New York Hall of Science

**Conflux** 1/12 – 3/12  
 'an exhibition celebrating the intersection of art + technology'  
 Pearl Conard Art Gallery, Ohio State University

<b>Art Inter/National</b> Boxheart Gallery	1/12 - 2/12 Pittsburgh, PA
<b>Annual Juried Exhibition</b> Gallery 110	2/12 Seattle, WA
<b>Digital Unity</b> ANNEX: Art	9/11 – 10/11 Prignitz, Germany
<b>Multiples</b> Pacific Arts League	9/11 Palo Alto, CA
<b>Digital Mettle: Jewelry &amp; Objects of CAD</b> National Ornamental Metals Museum	6/11 – 9/11 Memphis, TN
<b>9x12</b> Ferencvarosi Pince Gallery Hungarian Multicultural Center	5/11 – 6/11 Budapest, Hungary
<b>Nest</b> Torpedo Factory Art Center Target Gallery, National Exhibition Space	4/11 – 5/11 Alexandria, VA
<b>National Juried Exhibition</b> New Rochelle Council on the Arts	5/11 New Rochelle, NY
<b>National Juried Exhibition</b> Florida Arts West	11/10 – 12/10 Bonita Springs, FL
<b>ArtPrize 2010</b> Immanuel Lutheran Church	9/10 – 10/10 Grand Rapids, MI
<b>Will's Creek Survey 2010</b> Allegany Arts Council	9/10 – 10/10 Cumberland, MD
<b>Salmagundi XIV</b> Rocky Mount Arts Center	10/10 – 1/11 Rocky Mount, NC
<b>Great Lakes 'Small Works' 2D 3D Juried Exhibit</b> Riverside Arts Center	9/2010 Ypsilanti, MI
<b>Green: art with the earth in mind</b> AnnMarie Garden and Arts Center – Smithsonian Institute	6/10 – 8/10 Solomons, MD
<b>Earthvisions</b> Arc Gallery, Museum of Science and Industry	5/10 – 6/10 Tampa, FL
<b>Magnitude 7</b> Manifest Gallery and Drawing Center	5/10 – 6/10 Cincinnati, OH
<b>Future Forward</b> International Center for Art + Design	5/10 New Orleans, LA
<b>Dimensions 2010</b> Associated Artists of Winston-Salem	4/10 – 5/10 Winston-Salem, NC
<b>Energieia 14-15</b> Energy Gallery	2/10 Toronto, ON
<b>Refined IV: Biennial Juried Art Metals Exhibition</b> Cole Art Center, Austin State University	1/10 – 3/10 Nacogdoches, TX
<b>L'art de la Joaillerie</b> Farris Art Gallery, Thomas Moore College	10/09 – 11/09 Miami, FL
<b>IDEAS09: Art at the Digital Edge</b> Ball State Museum of Art	11/09 – 12/09 Muncie, IN
<b>20/20</b> ArtSpace MAGQ	11/09 Miami, FL
<b>make shift</b>	1/09 – 2/09

Chapman Gallery, Kansas State University	Manhattan, KS
<b>CADlaboration Exhibition 1.0</b>	9/08 – 10/08
Winthrop University Galleries	Rock Hill, NC
<b>Algorithmic Design</b> (solo show)	6/08 – 8/08
IPFW Visual Arts Gallery	Fort Wayne, IN
<b>Algorithmic Design</b> (solo show)	3/08
Society of North American Goldsmiths Annual Conference	Savannah, GA
<b>Table Manners</b>	3/08 – 9/08
Arizona Museum for Youth	Mesa, AZ
<b>Equal Footing: materials + processes + concepts</b>	2/08 – 4/08
National Ornamental Metals Museum	Memphis, TN
<b>Virtual:Tangible 2.0</b>	1/07 – 3/07
Velvet da Vinci Gallery	San Francisco, CA