

**Daniel Neubauer**  
Associate Teaching Professor  
Industrial Design  
134 College of Design  
Ames, Iowa 50014  
763-229-1846  
dann@iastate.edu

## **I. GENERAL INFORMATION**

### **Education**

- 2015            Master of Industrial Design (MID)  
Iowa State University  
Department of Industrial Design
- 2011            Bachelor of Fine Art (BFA)  
Iowa State University  
Furniture and Engineering

### **Professional Experience**

- 2020 –           Associate Teaching Professor  
Iowa State University  
Industrial Design Department  
Junior Year Coordinator 2018-Present
- 2015-2020      Assistant Teaching Professor/Lecturer  
Iowa State University  
Industrial Design Department  
Sophomore Year Coordinator 2015-2018
- 2017 –           Designer/ Co- founder Neubauer Designs  
Product and Graphic Solutions  
Ames, Iowa
- 2012-2015      Graduate Assistant, Iowa State University  
Industrial Design Department, College of Design  
Materials and Manufacturing class and Shop Safety Monitor
- 2010- 2015      Instructor, Memorial Union Workspace  
Iowa State University  
Dark Room Photography and Woodshop
- 2010-2013      Furniture Designer  
Iowa Prison Industries  
Des Moines, Iowa

## **II. SCHOLARSHIP**

### **Publications**

- 2017 Dan Neubauer. Pete Evans. Verena Paepcke-Hjeltness. Betsy Barnhart. 2017 Virtual Reality: A Design Methodology. IDSA International Design Conference Education symposium.  
<http://www.idsa.org/educationpaper/virtual-reality-design-methodology>

### **Conference Proceedings – Peer Reviewed**

- 2017 Daniel Neubauer, Verena Paepcke-Hjeltness, Pete Evans, Betsy Barnhart & Tor Finseth (2017) Experiencing Technology Enabled Empathy Mapping, The Design Journal,20:sup1, S4683-S4689, DOI: 10.1080/14606925.2017.1352966  
Workshop/Training Curricula
- 2017 12th European Academy of Design Conference 2017  
Design for Next; La Sapienza University, Rome, Italy  
Virtual Reality, A Design Methodology workshop

### **Juried Exhibitions**

- 2012 Crafts National Exhibit 2012 Mulvane Art Museum Topeka, Kansas  
Juror: Gail M. Brown selected 100 works from 1,089  
Piece: OP. 8 Felt Chair
- 2012 Des Moines Art Festival: Emerging Iowa Artists  
June 22-24, 2012
- 2011 Senior BFA Show at Octagon Community Gallery  
Octagon Center for the Arts; Ames, Iowa  
Piece: Lachesis (Kinetic Mahogany Drawer Sculpture)
- 2011 Senior BFA Exhibition: No Expiration Date  
Gallery 181, College of Design, Iowa State University, Ames, IA  
Juror: Letitia Kenemer, Fine Arts Director of Memorial Union, ISU
- 2011 Focus Grant Exhibition: Lectures Program, Iowa State University  
Pioneer Room, Memorial Union; Iowa State University, Ames, IA  
Piece: Opus 8 (Natural Felt Chair)
- 2010 43rd Annual National Juried Exhibition Clay, Fiber, Glass, Metal, Wood  
Octagon Center for the Arts; Ames, Iowa  
Juror: Susan Clayton, Grand Hand Gallery, St. Paul, MN  
3RD Place Award
- 2010 31st Art & Design Annual  
Gallery 181, College of Design, Iowa State University, Ames, IA  
Jurors: Chris Vance, ISU Alumni; Linda M. Griffin
- 2010 Bio-renewables Research Laboratory Juried Art Competition  
Bio-renewable Research Laboratory; Iowa State University, Ames, IA  
September 10, 2010 to May 5, 2011
- 2010 Shift, Transition, Reflection & Moment: Developed Photography Club  
Pioneer Room, Memorial Union; Iowa State University, Ames, IA  
Juror: Candice Smith, Studio Photographer

## Best in Show

- 2009 30th Art & Design Annual  
Gallery 181, College of Design, Iowa State University, Ames, IA  
Jurors: Bruce E. Smith, Professor Emeritus Art & Design;  
Richard Heggen, Distinguished Professor Emeritus Art & Design

## Conference Presentations – Peer Reviewed Abstracts

- 2021 Global Conference on Sustainability in Higher Education – Rethinking Covid Plastic Barriers. Dan Neubauer, Merry Rankin, Ayondeji Oluwalana. On-Demand Educational Session
- 2020 Architecture Media Politics Society – Experiential Design, Rethinking relationships between people, objects, and places. Florida State University, Tallahassee, Florida  
Industrial Design x Iowa State Police Department
- 2017 IDSA International Design Conference 2017: Design is Business  
Education Symposium  
Atlanta, Georgia USA  
Virtual Reality, A Design Methodology

## Invited Lectures and Presentations

- 2015 National Alliance for Broader Impacts Summit 2015  
University of Wisconsin  
Panelist on expanding research through University Extension  
Media Presentations, News Notes, Editorials (about and by), etc.
- 2018 Rosacker, Erin. “Students Repurpose Road Signs into Commercial Products.” Students Repurpose Road Signs into Commercial Products, Iowa State University, 28 June 2018, [www.inside.iastate.edu/article/2018/06/28/ipi](http://www.inside.iastate.edu/article/2018/06/28/ipi).
- 2022 Guest speaker at Drake University Occupational Therapy
- 2023 Guest speaker and facilitated design process workshop at Drake University Occupational Therapy

## Awards and Honors

- 2023-2024 College of Design Impact Award
- 2019 Will Prindle Award for Excellence, Iowa State University, College of Design

## III. TEACHING

### Courses Taught:

- Fall 2023 IndD 301 Industrial Design Studio III  
Fall 2023 IndD 360 Material and Manufacturing  
Spring 2023 IndD 302 Advanced Topics Studio  
Fall 2022 IndD 301 Industrial Design Studio III  
Fall 2022 IndD 301 Industrial Design Studio III

Spring 2022 IndD 499 Industrial Design Studio IV  
Fall 2021 IndD 360 Materials and Manufacturing  
Fall 2021 IndD 301 Industrial Design Studio III  
Fall 2021 IndD 301 Industrial Design Studio III  
Spring 2021 IndD 302 Advanced Topics Studio  
Spring 2021 IndD 202 Industrial Design Studio II  
Fall 2020 IndD 301 Industrial Design Studio III  
Fall 2020 IndD 301 Industrial Design Studio III  
Spring 2020 IndD 302 Advanced Topics Studio  
Spring 2020 IndD 202 Industrial Design Studio II  
Spring 2020 IndD 334 Materials and Manufacturing  
Fall 2019 IndD 301 Industrial Design Studio III  
Fall 2019 IndD 301 Industrial Design Studio III  
Spring 2019 IndD 334 Materials and Manufacturing  
Spring 2019 IndD 499 Industrial Design Studio IV  
Spring 2019 IndD 302 Advanced Topics Studio  
Fall 2018 IndD 301 Industrial Design Studio III  
Fall 2018 IndD 301 Industrial Design Studio III  
Summer 2018 IndD 592 Sponsored Studio  
Spring 2018 IndD 202 Industrial Design Studio II  
Spring 2018 IndD 302 Advanced Topics Studio  
Fall 2017 IndD 201 Industrial Design Studio I  
Fall 2017 IndD 201 Industrial Design Studio I  
Spring 2017 IndD 202 Industrial Design Studio II  
Spring 2017 IndD 202 Industrial Design Studio II  
Fall 2016 IndD 201 Industrial Design Studio I  
Fall 2016 IndD 201 Industrial Design Studio I  
Spring 2016 IndD 202 Industrial Design Studio II  
Spring 2016 IndD 202 Industrial Design Studio II  
Fall 2015 IndD 201 Industrial Design Studio I  
Fall 2015 IndD 201 Industrial Design Studio I

### **Undergraduate Advising**

General Advising for Undergraduate Students on the topics of:

- Student's career and personal goals
- Provide students with an understanding of the major discipline and its options and how they intersect with the students' interests and goals.
- Discuss content of major courses and how they connect to:
  - Prerequisite courses
  - Skill development
  - Career goals
  - Life goals
  - Graduate work
- Discuss minors and elective courses that provide relevant connections to the students academic and career interests
- Reinforce the academic strategies necessary to be successful in the major and discuss available resources
- Discuss students' opportunities related to the discipline and how they can fit within an academic plan.

- Undergraduate research, student organizations, study abroad, honors, and scholarships.
- Discuss preparation for post-graduation opportunities

### **Student Organizations**

2017 – 2019 Competitions Collaborative Club. Faculty Advisor

### **Curricular Development**

2018- Present Junior Year Coordinator

Coordinated the Junior year 4 studio classes (projects) and 3 lecture courses to align with teaching material and outcomes for the year. This was also to align deliverable dates in order to optimize student time management and outcomes.

2015-2018 Friday Module Coordinator

Planned, developed, ran, supported, and programed a series of Friday skill building classes for the undergraduate and graduate students within industrial design. These Friday modules were to support faculty academic and research interests while exposing students to hard skills that were not being taught in lecture courses. Some of these Friday Modules included: marker rendering, line weight and perspective construction, rapid modeling for soft-good design, guest speakers, virtual reality workshops, sketch-noting workshops, adobe suite software instruction, and portfolio review and building.

2015-2019 Sophomore Year Coordinator

Coordinated the sophomore year 4 studio classes (projects) and 3 lecture courses to align with teaching material and outcomes for the year. This was also to align deliverable dates in order to optimize student time management and outcomes.

### **INDD 202 Industrial Design Studio II**

Through a progressive series of structured exercises and projects, IndD 202 covers basic modeling principles and three dimensional form development required for industrial design activity. These activities include explorative studies in: assembly, disassembly, process efficiency, structures, materials identification, hand fabrication, and testing. Students work in a variety of media including: paper, foam core, poly-styrene, and wood.

### **INDD 301 Industrial Design Studio III**

The objective of this course is to introduce and practice methods that allow for reliable and repeatable creative outputs. This course presents the principles of design methodology that guide the creation of products, communications, environments, and services throughout the design lifecycle. The course also partners with existing companies research areas and allow students to create viable solutions for these product/ system/ service areas.

### **INDD 499 Industrial Design Studio IV**

The course acts as a platform for conducting a self-directed research and design process to generate highly advanced and finished products for graduation. This includes development of a design proposal, project management and design brief; application of research methods for industrial design and research ethics; specification of design experience and performance parameters; undertaking a structured investigation, including testing and prototyping of virtual and physical models; systems thinking applied to specific projects; studio practice including advanced concept exploration, generation and evaluation; communication of sophisticated design issues and processes and outcomes.

### **INDD 592 Industrial Design Studio - Summer 2018**

Through connections with a previous employer, INDD 592, attempts to bring some real world projects to the students. This summer studio allowed 20 students the opportunity to work with Iowa Prison Industries and design functional furniture objects for outdoor installation by utilizing reclaimed aluminum sign material. Students were led through cradle to cradle design philosophy and then allowed to tour the manufacturing facilities in Anamosa State Penitentiary. The resulting designs from the course were voted upon by inmates and staff of IPI. Two concepts from the class are now in process of being manufactured and implemented into IPI's product line.  
<https://www.inside.iastate.edu/article/2018/06/28/ipi>

### **INDD 334/360 Materials and Manufacturing for Product Design - ONLINE**

This is an online survey course that covers material overviews of: Wood, metal, glass, ceramic, plastics, bio materials, nano-scale materials, and composites. The course also covers common manufacturing techniques as they relate to each of the materials. The course spends time to cover new rapid prototyping and manufacturing options, and also includes a tour to local manufacturing facilities (rotating locations).

### **INDD 302 Advanced Topics in Industrial Design Studio**

This studio is an optional class that engages students with an outside entity and allows the students to continue practice of the full user centric design process.

Past outside entity collaborations with and without sponsorship include: Courage League Sports – Adaptive Play, Mary Greeley Hospital – Infection Prevention, ISUPD – High Performance Police Gear, Drake University Occupational Therapy Department – Assistive Devices, Child Serve of Iowa – Pediatric Medical and Assistive Device, ISU Veterinary Medicine – Veterinary Medical Device, Bio based and regenerative materials, Iowa DNR and Iowa State University Office of Sustainability

## **IV. Area of PRS: EXTENSION / PROFESSIONAL PRACTICE / ENGAGEMENT**

### **Educational Outreach**

2015 - 2017 Forward Learning Experience Events  
NWIRC @WITCC Sioux City 9/10/2015 30 people  
Visit from Upward Bound WITCC high school students 11/6/2015 50 people  
State Fair 8/17, 8/20, 8/21 5000 people  
HNI Corporate Visit 9/16/15 10 people  
Hyatt Middle School Stem night 9/28/15 150 people  
DMACC STEM fest 10/19/15 200 people  
Debbie Durham visit 10/30/15 5 people  
Provost Departmental Visit 12/1/15 5 people  
Provost Departmental Visit 1/23/15 5 people  
Marshall Town High School 3/11/16 200 people  
Waukee Elementary 4/13/16 200 people  
Investigate Futures ISU 5/19/16 50 people  
Flex visit ISU 7/8/16 100 people  
Fort Dodge STEM event 10/15/16 100 people  
WISE @ ISU 10/20/16 20 people  
WISE @ ISU 10/27/16 20 people  
FLEx @ ISU 11/15/16 100 people  
FLEx Setup Scheman ISU 11/21/16 150 people  
Coralville U of Iowa Research Park 11/22/16 60 people  
FLEx @ ISU 2/9/17 100 people

### **Service Related to Extension / Professional Practice / Engagement**

- 2023 - Collaboration with Ames Repair Café and ISU College of Design and Parks Library
- 2023 - Collaboration and continued communication with *Rawlings Sports Equipment* based upon future projects for INDD 401 F2023
- 2020 - Collaboration and continued communication with *ISU Office of Commercialization and the Iowa State Research Foundation* based upon past and future projects for the Industrial Design Student Design Consultancy
- 2020 - Collaboration and continued communication with *ISU Office of Sustainability (FP&M) and Iowa Department of Natural Resources* based upon past and future projects for INDD 302 S2021
- 2020 - Collaboration and continued communication with *Aeron Lifestyles Technology* based upon past and future projects for INDD 490 S2022 and INDD 593 F2022
- 2018 - Collaboration and continued communication with *Iowa State Police Department* based upon past and future projects for INDD 499 S2019 and INDD 302 S2020
- 2018 - Collaboration and continued communication with *Drake University Occupational Therapy Department* based upon past sponsored project for INDD 302 S2019
- 2018 - Collaboration and continued communication with *Kreg Tool Company* based upon sponsored project for INDD 301 F2019
- 2018 - Collaboration and continued communication with *Tennant Company* based upon past sponsored project for INDD 301 F2018
- 2017 - Collaboration and continued communication with *Courage League Sports* based upon past sponsored project for INDD 302 S2018 and S2019
- 2017 - 2020 *Iowa Agri-tech Accelerator*, Startup incubator. Product Development Mentor

### **V. AREA of PRS: INSTITUTIONAL SERVICE**

#### **University Service**

- 2016 - Focus Grant Committee, Iowa State University

#### **College Service**

- 2022 - Academic Affairs Council
- 2022 - Innovation and Entrepreneurship Fellow
- 2022 - 2023 AVC Wood Media search committee member
- 2021 - Design Closet committee member
- 2018 - 2022 Awards and Scholarships Committee, College of Design
- 2015 - 2022 Lectures and Exhibitions Committee, College of Design

#### **Departmental Service**

- Spring 2023 Chair of Term faculty Ad-hoc P&T committee
- 2022 - Industrial Design Curriculum Chair
- Spring 2022 Design and build of 14 desk displays for Industrial Design
- 2021 - 2022 IndD Open rank faculty search committee
- 2019 - 2021 Peer to Peer Design Coaches. Coordinator
- 2017 - 2021 Armory Output Center Manager
- 2015 - Curriculum Committee, Industrial Design Department