

NOVEMBER 2018

# Art + Design : News + Notes



College of Architecture and Design  
New Jersey Institute of Technology



## Students and Alumni Exhibit Work at American Design Club BUILT Competition

For the sixth consecutive year, Art + Design students and alumni from the Industrial Design program had projects selected in an open competition sponsored by the *American Design Club* and curated by its director, **Kiel Mead**, exhibited during NYCxDesign Week in May, 2018, at Canal Street Market. The competition brief required designers to create and “build a functional object that demonstrates thoughtful construction methods and/or manipulations. Designs must be assembled and manufactured in actual production materials with the end result fit for display and sale.” Projects such as a mason jar planter with 3D printed inserts created by alumnus **John Radil** working for “Tangible Creative,” and a clock made from reprocessed HDPE plastic by The 7<sup>th</sup>FL, the design firm of alumni **Fabio Castellanos** and **Natalia Szabla** were among the selected works along with additional products by continuing student **Nuno Parente** and alumni groups/joint submissions of **Luz Cabrera**, **Ryan Heinz**, **Joe Mercurio**, **Nahin Shah**, and **Juan Trapp**.



## CoAD Student Work Selected for SIGGRAPH Student Work Exhibit in Vancouver

The work of thirty-seven students in the College of Architecture and Design was selected for exhibit in the double-curated Faculty Submitted Student Work Exhibit sponsored by the ACM SIGGRAPH International Education Committee at SIGGRAPH 2018. This was the seventh consecutive year NJIT had images selected for the student work exhibit at SIGGRAPH. The exhibit was on display at the 45th annual Association of Computing Machinery (ACM) conference on computer graphics and interactive techniques, August 11 through 16, 2018 in the Vancouver Convention Center. The conference attended by more than 16,500 persons representing 88 different countries.

NJIT work was created from Art + Design classes and studios taught by José Alcalá, David Brothers, Martina Decker, Julio Figueroa, Glenn Goldman, Taro Narahara, Adam Raiffe, Jessica Ross, Augustus Wendell, Polina Zaitseva, and Andrzej Zarzycki and included submissions from all three majors in the School of Art + Design as well as two students from the School of Architecture participating in A+D’s Collaborative Design Studio.

Foundation year student work from AD 150, Color and Composition, was created by Nada Boules, Erika Duarte, June Enriquez, John Fajardo, Kaishon Way, Kaylin Wittmeyer, and Catherine Yong. Exhibited work from DD 284, Video & Animation, was produced by William Martone and Nicholas Secondro. History of Games, DD 275, was represented by work from Jerry Bellone, Loni Fiscus, William Martone, and Alexandra (Sasha) Novichkova. Images from Digital Design studios were created by Everett Aldrich, Danielle Archibold, Jimmy Benites, Sacha Boghossian, Samantha Dimaano, Giovanni Gagliano, Anastasia Mishin, Monica Nelson, Kathleen Nguyendon (above right), Alex Schuppel-Garcia, Joshua Weinberg, and Ian Yunis (above center). DD 444, 3-Dimensional Character Development, was represented by images provided by Danielle Archibold and Monica Nelson. AD 463, Collaborative Design Studio, was represented by work from Everett Aldrich, Harinder Dhanesar (above left), Stephanie Jen, Alexa Magliocco (above left), Monica Nelson, Kyle Ralli, and Ian Yunis (above left). NJIT was the only school with exhibited work from Interior and Industrial Design programs. Interior Design students with work exhibited from studios were Fernando Cotto, Sara Ebrahim (work shown on first page), Stephanie Jen, Arianna Milla, Pamela Ospina, Isabella Rizzo, Umaamah Tobias, and Hailey White. Industrial Design student work exhibited was from Oliver Budd and Justin Tranchina.

Twenty schools had work accepted and shown including California State University – Fullerton, Gnomon School of Visual Effects, Kennesaw State University, Middle Tennessee State University, Monmouth University, National Taiwan University of Arts, NYIT, RIT, University of Alaska – Fairbanks, University of Houston, West Virginia University, and Yale University in addition to NJIT.



### Art + Design Athletes on ASUN Honor Roll for Academic Achievement for Second Consecutive Year

Upon joining the Atlantic Sun (ASUN) Conference in 2016, athletes from the School of Art + Design have demonstrated a combination of academic and athletic prowess. Three students representing each discipline in the School were named to the ASUN Honor Roll of Academic Achievement for 2017-2018: sophomore **Mehek Parikh** (Industrial Design) for Women's Track & Field; senior **Tess Albyn** (Interior Design, above) for Women's Volleyball; and freshman **Brandon Kong** (Digital Design) for Men's Track & Field.



### Industrial Design Students Reach Out to the Community with Schools That Can - Newark

With encouragement and organization from the Coordinator of the Industrial Design program, **José Alcalá**, NJIT students became active participants as community volunteers in *Schools That Can - Newark* which focuses on "expanding access to real-world learning in the Newark K-12 district, charter, and independent school community." This fall, the Industrial Design students worked with the annual Design Day Challenge & Celebration held at the Newark Museum on September 28, 2018, just a few blocks from the NJIT campus. NJIT sponsored one of eight teams, each of which included 6 middle school students, 1 to 2 teachers, and 3 volunteers whose role was to guide, motivate, and provoke the students. Members of the NJIT Industrial Designers Association of America (IDSA) student chapter staffed their own team, served as volunteers on others, and provided photographic services for the event while Alcalá served as a volunteer and judge. Volunteers included **Haian Alhoch**, **Andrew Carter**, **Patrick Keating**, **Jenna Stuiso**, and **Kaishon Way**. Industrial Design students **Alhoch**, **Jayna Patel**, and **Mehek Parikh** also participated in the May fundraising event, Design Day Advisory Board Meeting Celebration Breakfast held at NJIT.



### Matt Gosser Curates "LIGHT" at CoAD Gallery as Part of Newark Arts Week 2018

Curated by **Matt Gosser**, the College of Architecture and Design presented a theme-based exhibit of work by artists and designers from around the world working in a diverse set of media – including painting, sculpture, photography, and more – that all, in some way, deal with issues of light. "LIGHT," October 4 through November 19, is part of the annual *Newark Arts Week*. The exhibit features work by more than a dozen notable artists and designers such as Spanish architect Santiago Calatrava, Japanese-American artist and landscape architect Isamu Noguchi, Canadian photographer Eric Pare, New York architects Tod Williams-Billie Tsien Architects/Partners, Belgian digital artist Alex Czetwertynski, Brooklyn-based painter Jessica Dalrymple, New Jersey industrial designer and artist Boris Petropavlovsky and others.



## Students and Faculty Participate in SIGGRAPH 2018

The annual international SIGGRAPH conference in Vancouver, British Columbia, focusing on computer graphics and interactive techniques featured participation by students and faculty from the School of Art + Design. Four Digital Design students (**Sophia Chan**, **Michael Mejia**, **Kathleen Nguyendon**, and **Joshua Weinberg**) were first-time participants in the prestigious and competitive Student Volunteer program during which each student provides about 25 hours of service assisting attendees, presenters and organizers throughout the conference. They also participated in special programs meeting studio heads, receiving critiques on demo reels and portfolios, and networking with researchers and global peers. The students and faculty gathered for the ninth annual, NJIT A+D SIGGRAPH Dinner in the Gastown district in Vancouver.

Associate Professor **Taro Narahara** presented “*Creating the Unreal: Speculative Visions for Future Living Structures*” and Director of the School of Art + Design **Glenn Goldman** chaired and participated in a panel in the Educators Forum, “*FuturePREP: Industry Views on Education*” that included representatives from Adobe Research, Electronic Arts (EA Vancouver), Ilion Animation Studios, Kabam, and Zoic Studios. Goldman, named Outreach Chair for the Education Committee for 2018–2019, and Associate Dean **John Cays** participated in organizational meetings as part of the international SIGGRAPH Education Committee. Also attending the conference were Adjunct **Jessica Ross** and University Lecturer from Information Technology **Eric Nersesian**.



### Martina Decker Promoted and Granted Tenure at NJIT

**Martina Decker** has been promoted to Associate Professor with tenure at NJIT. Trained as an architect, Decker has expertise in materials systems and nanotechnology as applied to building component and product design. She established the Material Dynamics Lab at NJIT that focuses on how emergent materials and technologies help address contemporary issues and challenges that serves as a focus for interdisciplinary innovation. In addition to a variety of courses, Decker teaches Collaborative Design Studio and Industrial Design studios in the School of Art + Design.



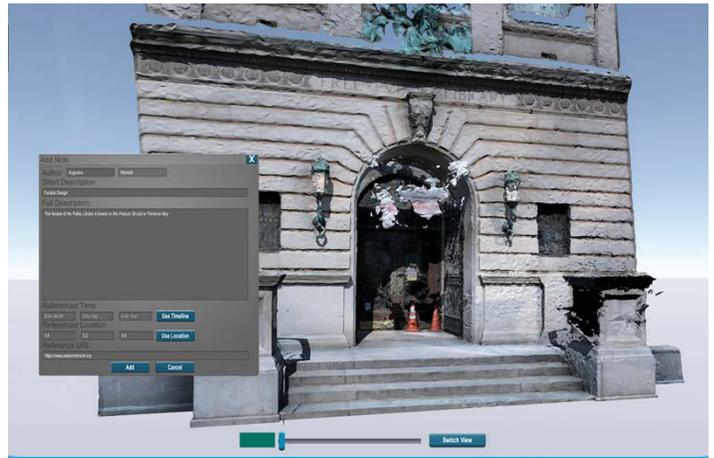
### Steve Zdepski Receives Master Teacher Designation

Associate Professor **M. Stephen Zdepski** has been designated a Master Teacher at NJIT. “The Master Teacher designation is the highest distinction given by the Provost to tenured NJIT faculty members who have a sustained record of teaching excellence... [and] is expected to not only have a strong record of teaching students individually and in groups but also to be a leader in pedagogy, a mentor to faculty and a teacher of teachers.” Zdepski, whose students have won numerous honors, is a pioneer in the use of computer graphics in architectural design, a former president of ACADIA (the Association for Computer-Aided Design in Architecture), and has received awards for teaching, research, and creative work. An original member of the faculty of the School of Architecture at NJIT who regularly teaches architectural design studio, Zdepski is also an accomplished musician who teaches the course Foundations of Sound and Music to Digital Design students.



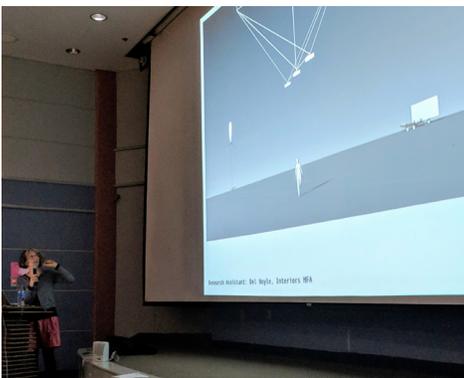
## Hannah Kum-Biocca Joins Digital Design Faculty

Dr. **Hannah Kum-Biocca**, an expert in UI/UX has joined the faculty as an Assistant Professor of Digital Design in the School of Art + Design. Prior to coming to NJIT she was an Assistant Professor in the Department of Design, College of the Arts, at California State University, Long Beach. Kum-Biocca earned a BA in Visual Art at the University of Newcastle in Australia, an MFA at Goldsmiths, University of London, and a Ph.D. in Human-Computer Interaction/Interaction Design at Sungkyunkwan (Samsung) University in Seoul, Korea. Her art and design work has been featured in more than 25 solo and group exhibitions worldwide. A frequent presenter at the International Communication Association (most recently in May, 2018, in Prague), she is also co-author of three books and several research articles. Her corporate/professional experiences include Lead User Experience Designer at Design Center, HP.



## Altin, Özlüdil, and Wendell Present at DH2018 in Mexico City

Art + Design faculty presented posters at *Digital Humanities 2018: "Bridges/Puentes"* in Mexico City, Mexico, in June. **Burçak Özlüdil** and **Augustus Wendell** presented "SpatioScholar: Annotating Photogrammetric Models," which put forth a new phase in the evolution of SpatioScholar, a platform for studies they developed that requires spatial and temporal processing and visualization. **Ersin Altin** presented "Design on View: Imagining Culture as a Digital Outcome" and discussed the pedagogy and results of a recent Collaborative Design Studio project he taught in which the students explored the relationship between design and culture through series of design tasks and produced digital interactive tools/platforms dedicated to a culture/subculture or a craft.



## Designer Fiona Raby Lectures at CoAD

University Professor of Design and Social Inquiry, and a Fellow of the Graduate Institute for Design Ethnography and Social Thought at The New School in New York, designer **Fiona Raby** of Dunne & Raby was a featured lecturer at the College of Architecture and Design on October 18. Raby, with partner Anthony Dunne, were winners of inaugural MIT Media Lab Award for their "pioneering approach to critical design and its intersection with science, technology, art, and the humanities [that] has changed the landscape of design education and practice worldwide," Ms. Raby's lecture discussed a series of projects and products designed to challenge convention and interpersonal relationships in a media-saturated environment.

## NJIT SIGGRAPH Holds Game Analysis Nights

The student group, NJIT SIGGRAPH, held the first of a proposed series of "Game Analysis Nights" during which the attendees play and look at a set of games through the lens of a particular aspect or genre (art/design, gameplay, platforming, story, etc.). Organized as a conversation among participants who look beyond the superficial elements of a game, the self-directed event allows the students to see how popular games deal with specific issues, with the intent to then apply lessons learned in student projects. Participation from both Digital Design and Information Technology students facilitates analysis and study of both the technical and artistic aspects of games.

## Von Koenig Presents at National Conference on the Beginning Design Student

National Conference on the Beginning Design Student 2018

# NCBDS 00:34

2018 Program : Time : University of Cincinnati : March 1-3, 2018

Industrial Design alumna and adjunct instructor **Gretchen Von Koenig** presented *"Inciting Criticality in Design Education: How We Teach History to Product Design Students"* at the 2018 National Conference on the Beginning Design Student hosted by the University of Cincinnati. With a theme of "time", conference participants looked at leveraging the past, focusing on the present, and imagining the future during the 34<sup>th</sup> annual conference held in March, 2018.



## Photographs by A+D Director Receive Awards in International Competitions

An extensive group of photographs taken by School of Art + Design Director **Glenn Goldman** has received awards in several recent competitions. The International Photography Awards (IPA) announced the 2018 winners on October 3 and "Shadows", a previously-awarded architectural photograph of Santiago Calatrava's Florida Polytechnic University classroom building, received the first-place award in the non-professional category of "Architecture – Interiors". An additional sixteen images by Goldman, twelve in categories bounded by architectural photography, were awarded as Honorable Mention and included subjects as diverse typologically and geographically as housing in London and Chicago, a Frank Lloyd Wright-designed library in Florida, and an interior photograph of the Pantheon in Rome. Additional awarded photos came in the category of "Nature – Seasons", "Nature – Wildlife", and "Travel/Tourism".

"Disney Collage," a photograph taken in the Magic Kingdom of Disney World in Orlando, Florida, was selected as a Finalist by *Photographer's Forum* magazine as a one of the top 12% of the approximately 8,760 submissions in their competition and will be published in December in *"Best of Photography 2018"* by Serbin Communications.

Three architectural photographs were named as finalists for the 2<sup>nd</sup> ROYGBIV competition celebrating the art of color photography and sponsored by the TZIPAC, the TZ International Photography & Art Community. Other photographs were competitively selected for online exhibit by Black Box Gallery in Portland, Oregon, representing three different contests: Camera Work: Landscape and Architecture ("Florida Southern"), Grayscale: A Picture Show ("Mies"), and Poetics of Light ("Roman Form").

## Artificial Intelligence Project at Design Biennial

College of Architecture and Design Adjunct Instructor Dr. **Ersin Altin**, Instructor/Administrator Dr. **Burçak Özlüdil**, Coordinator of the Digital Design Program and University Lecturer **Augustus Wendell**, and Ying Wu College of Computing Assistant Professor **Amy K. Hoover** came together to develop an installation entitled "[AI]stanbul: Schooling the Machine" for the 4<sup>th</sup> Istanbul Design Biennial (September 22 - November 4, 2018). [AI]stanbul tackles the process of learning and teaching of a new place by employing Artificial Intelligence as it acquires and appropriates place-based experiences through interactions with visitors/participants.



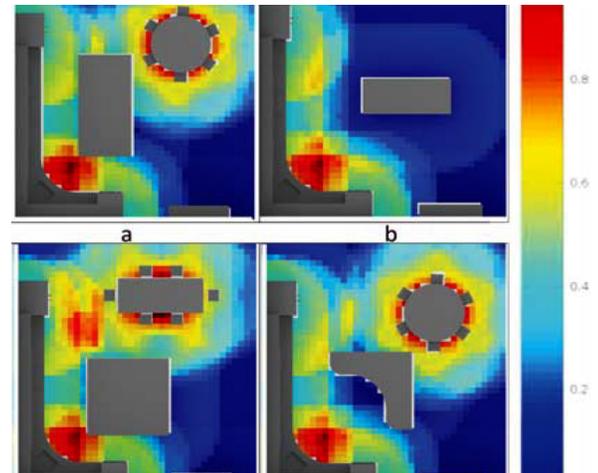


## Interior Design Students Organize Extracurricular Activities

The student chapter of the *International Interior Designers Association* (IIDA) has organized a series of social and professional activities for students during the fall semester. In September, the students participated in a College-wide "Skills Fair" during which volunteers demonstrated and provided tutorials on different digital applications used in the various disciplines in the College. Students participated in fundraising activities for breast cancer awareness in October. November includes a roundtable discussion sponsored by Dauphin North America which included Interior Design alumni **Nicki Amiri '18** (Dauphin), **Wendy Ceron '13** (HLW), and **Alma Villalba '17** (Gensler). Also scheduled is a trip to Philadelphia to the *16<sup>th</sup> Annual IIDA PA/NJ/DE Chapter Product Parade*. The organization has an active executive committee of third and fourth-year students that includes **Hailey White** and **Chloe Blottman** as Co-Presidents; **Victoria Birritteri**, Secretary; **Leslie Puma**, Treasurer; and Outreach Coordinators **Perine Boules**, **Evi Manoussakis**, and **Sara Tappan**.

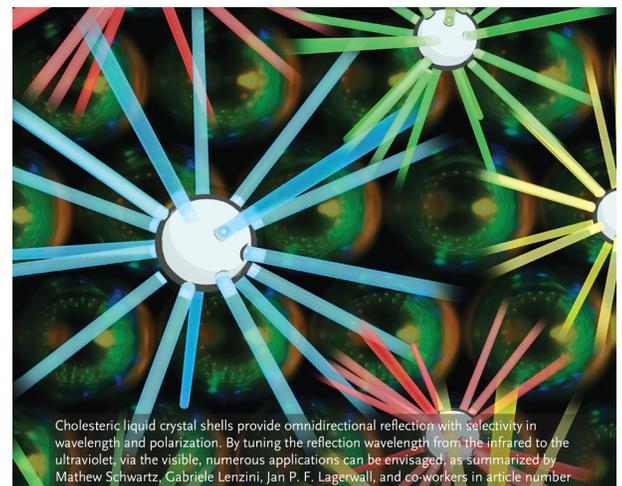
## Schwartz Presents at SimAUD in Delft

Assistant Professor of Industrial Design, **Mathew Schwartz** presented "Human Task and Disability Based Automated Evaluation of Space and Design in CAD" at the interdisciplinary 9th Annual Symposium on Simulation for Architecture and Urban Design (SimAUD) at TU Delft in the Netherlands. Schwartz' paper, co-authored with undergraduate Architecture students **Adara Azeez** and **Kanisha Patel**, looks at the automated analysis of three-dimensional models of the built environment. The paper presents methods to take in unknown geometries and build a node-based graph of possible occupant locations. Evaluative scores are presented for common human factors such as reach-ability as well as less thought of metrics such as the probability of an occupant falling in the space and being injured.



## Schwartz Publishes in *Advanced Materials*

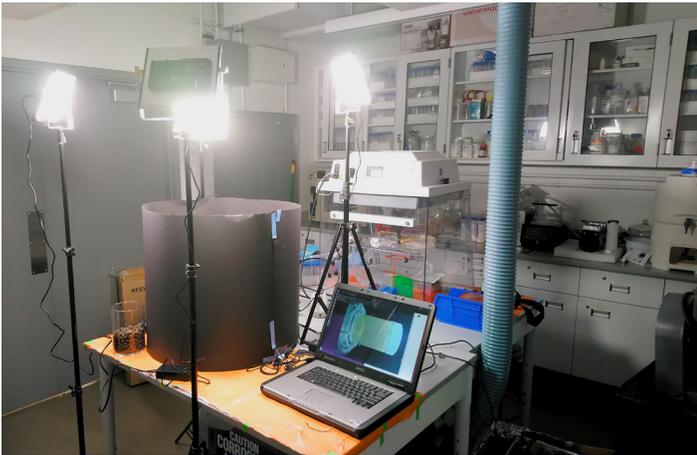
**Mathew Schwartz**, Assistant Professor of Industrial Design, published "Cholesteric Liquid Crystal Shells as Enabling Material for Information-Rich Design and Architecture" in *Advanced Materials* that was subsequently featured in *Automotive Testing Technology* magazine, as well as numerous online publications. Schwartz' research combines detailed study of materials properties and sensor technology to contribute to the practical applications of product design. Schwartz, along with co-authors Gabriele Lenzini, Yong Geng, Peter B. Rønne, Peter Y.A. Ryan, and Jan P.F. Lagerwall, looked at the specific behavior of cholesteric liquid crystals (CLCs) when subject to curvature. Of interest to the automotive industry is the use of CLCs as a potential application of omnidirectional signals on road signs read by sensors on autonomous vehicles. Beyond autonomous vehicles, the paper details a new method for communicating information in physical space without being seen by people. As the CLCs can be produced to be transparent and selectively reflect Infrared light, AR and other smart objects can localize people for navigation, product information displays, and provide highly secure and inexpensive authentication tags.





## Industrial Design Alumnus Speaks at New York Luxury Watch Show

**Jonathan Ferrer '14**, founder of Brew Watch, Co. and graduate from the Industrial Design program, was part of the "American Movement" panel at WatchTime New York, the recent luxury watch show. At the panel, and from the perspective of his successful young start-up, Ferrer discussed different risks in the design and production of a product at an accessible price point when compared to larger, more established companies. Meanwhile, immediately after that show, Brew Watch Co. introduced its newest line of watches, "Retrograph" in three models (Remington – black and white, Oxford – white, Cobalt – blue) at Wind Up Watch Fair, an event featuring a curated collection of watch brands at Chelsea Market in New York.



## High School Student Has Summer Internship at NJIT

**Maggie Olaya** from Wayne Valley High School interned with Assistant Professor **Mathew Schwartz** in a new collaborative endeavor between the high school and faculty at NJIT's School of Art + Design. Ms. Olaya worked on a plant research project, an ongoing collaboration between Prof. Schwartz and Prof. Basuray in Chemical Engineering, where she wrote Python scripts to unwrap photos of bacteria growing so they could be automatically analyzed. Leveraging the techniques used in Digital Design for unwrapping character geometries for texturing, Ms. Olaya combined computation, biology, and creative thinking to provide meaningful contributions to the collaborative project.



## Wells Wins Teaching Award for Innovation

University Lecturer **Louis Wells** won the *Excellence in Teaching Award for Innovative Teaching* in 2018. The award category recognizes "outstanding achievement of innovative approaches...such as team taught, interdepartmental, [and] multidisciplinary courses." Wells, based in the Theatre Arts & Technology program, teaches the Acting Fundamentals for Animators class working collaboratively in Digital Design and has used motion capture and various technologies available within the School of Art + Design in support of his award-winning efforts.



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