

CURRICULUM VITAE

Jonas Hauptman
614 Alleghany Street
Blacksburg VA 24060 USA
215.681.6747
jonasah@vt.edu
biodesign.caus.vt.edu/scholarship

EDUCATION:

- 2000 Cranbrook Academy of Art, Bloomfield Hills, MI
Master of Fine Art in Metalsmithing
- 1995 Rhode Island School of Design, Providence, RI
Bachelor of Fine Art in Sculpture

ACADEMIC APPOINTMENTS:

- 2017-Present Virginia Tech
Industrial Design Program
Assistant Professor
- 2015-2017 University of the Arts
Graduate Product Design Program
Program Director
- 2004 -2007 University of Michigan, Ann Arbor Michigan
Taubman College of Architecture + Urban Planning
Oberdick Fellow and Lecturer
- 2002-2003 Southern California Institute of Architecture, Los Angeles, California
Adjunct Faculty Member

INTELLECTUAL PROPERTY:

- U.S. Patent Application, Serial No. 61/293,508 & 61/289,936 "System & Method for Structure Design"
- US Provisional Patent Application, No. 63/341,120 Hauptman and Hindman.
Modified Bamboo Composite Systems.

HONORS AND AWARDS:

- 2021 Virginia Tech College of Architecture & Urban Studies Certificate for Creative Achievement
- 2021 Virginia Tech College of Architecture & Urban Studies Certificate for Excellence in Outreach
- 2019 Autodesk ACADIA Emerging Research Awards Runners-up Paper Category, For "Digital Fabrication of Standardless Materials"
- 2019 New Faculty Teaching Award, Virginia Tech School of Design

AWARDED GRANTS:

- 2022 Empowering High-Performance Bamboo Construction: A Low-Cost, Material Informatics driven, Culm Structural Properties Definition System. Hong Kong Collaborative Research Fund Crolla, Harries, Trujillo, Hauptman and Others.
1,000,000 HKD = 127,000 USD
- 2022 Incorporating Urban Wood To Expand Furniture Manufacturing Options. United

- States Department of Agriculture (USDA) Forest Service, Wood Education, and Resource Center Grant. Hindman, Hauptman. 107,582 USD
- 2021 C² Students Carbon XPrize, Musk Foundation. Virginia Tech: Esteban Londoño, Tony Lin, Greg Marggraf & Tim Stolwyk / Max Planck Institute: Botía & Santiago Manno Franca / Faculty Advisor: Hauptman) 250,000 USD
- 2021 Virginia Wood Networks: Connecting Makers, Builders, Community Needs, and Pest-Killed Trees, 4VA Grant, UVA Co-PI's: Erin Putalik, John Comazzi, Non-UVA Co-PI's: Jonas Hauptman-VT; Nicholas Brinan-JMU 30,000 USD
- 2019 Robotic Felting Craft Grant, Center for Craft Materials-Based Research Grant. Jonas Hauptman, Stephanie Metz. 12,500 USD,
- 2019 Smart Cross-Laminated Bamboo, Virginia Tech Institute of Creativity Art & Technology, Major Seed Grant. Jonas Hauptman, Katie MacDonald, Kyle Schumann, Daniel Hindman, Tom Hammett. 25,000 USD.
- 2019 Smart Cross-Laminated Bamboo, American Institute of Architects New York Arnold W. Brunner Grant, MacDonald, Hauptman, Schumann, 13,000 USD
- 2018 Tooling Bamboo Growth, Institute for Creativity Art & Technology, Creativity + Innovation mini SEAD Grant, Hauptman, MacDonald, Niemiera 3,000 USD
- 2018 Robotic Felting, Institute for Creativity Art & Technology, Creativity + Innovation major SEAD Grant, Hauptman, Asbeck 20,000 USD
- 2018 Retooling Bamboo Tectonics, American Institute of Architects, 2018 AIA Upjohn Research Initiative, Hauptman, MacDonald, Schumann, Kara, 30,000 USD

CONFERENCE PAPERS WITH PROCEEDINGS:

- 2022 "Developing digital design workflow for Nexorade Bamboo Structure" Association for Computer-Aided Design in Architecture (ACADIA) Conference. Hybrids & Haecceities. Hauptman, Haghazar, Saghafi (Under Review)
- 2022 "Smart Bamboo Systems: Combining Material Intelligence with Modern Manufacturing" International Conference on Non-conventional Materials and Technologies. Hauptman, Jonas, Daniel Hindman, Keith Hack, Greg Marggraf (Accepted).
- 2022 "Exploring Life Centered Design Through Standardless Materials" Blatant Latent 37th National Conference on the Beginning Design Student. Ball State Proceedings of 37th NCBDS, edited by Sean Burns and Kristin Barry, 152-158 Hauptman, Jonas (Accepted)
- 2022 "Increasing Use of Industrial Hemp and Bamboo Fibers in Construction" Working Title: 6th Residential Building, Design, and Construction Conference, Penn State. Hindman, Daniel, Hammett, Tom, Hauptman, Jonas (Accepted)
- 2019 "Bamboo: Stigma and Perception in the Western Cultural Context" Architectural Research Centers Consortium Annual Conference, Future Praxis: Applied Research As a Bridge Between Theory And Practice, Toronto, Canada, Schumann, Hauptman, MacDonald (Accepted)
- 2019 "Structural Performance of Faced Calcutta Bamboo (*Dendrocalamus strictus*) for Use in Joined Structural Assemblies, Fourth International Sustainable Buildings Symposium, Dallas, Texas, Hauptman, MacDonald, Schumann, Hindman, Hammett (Accepted)
- 2019 "Digital Fabrication of Standardless Materials" Association for Computer Aided

Design in Architecture (ACADIA) Conference; Ubiquity and Autonomy,
MacDonald, Schumann, Hauptman (Accepted)

WORK CITED IN THE MEDIA:

- 2021 "The Radical Case for Growing Huge Swaths of Bamboo in North America"
A. Gray, Inside Climate News, January
- 2020 "Bamboo Buildings" Inch Magazine, Matthias Meier, Issue 4
- 2019 "The Great Carbon Reckoning." Metropolis Magazine. Gray, Audrey. December
2019
- 2019 "Bamboo Transcends the Tropics for Carbon-Negative Construction" RedShift
Zack Mortice, August 7
- 2011 "Parametric Wall System" The Architect's Newspaper Volume 09, Issue 19
- 2011 "Seeyond Architectural Solution" Jennifer Brite, Architect, September

SELECTED EXHIBITIONS:

- 2021 17th Venice Architecture Biennale, CITYX Venice Italian Virtual Pavilion, Curator,
Tom Kovac, "Building with Biology" Hauptman, Hack, Saghafi & Zesk
- 2006 "Andrea Zittel: Small Liberties" Whitney Museum of American Art, Zittel,
Hauptman & Others
- 2005 "Living Light on the Land" Cranbrook Museum of Art Bloomfield Hills MI, June
- 2005 "California Design Biennial" Pasadena Museum of California Art, Pasadena CA,
- 2005 "Fellows Exhibit" University of Michigan Ann Arbor MI, March