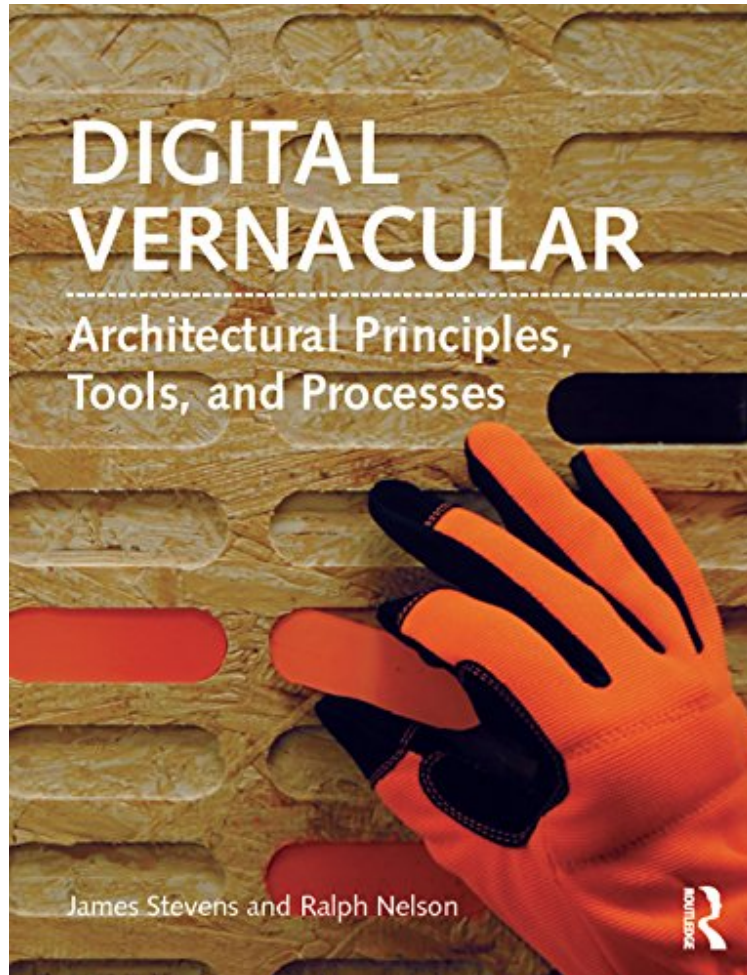


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Digital Vernacular: Architectural Principles, Tools, and Processes

James Stevens, Ralph Nelson
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Digital Vernacular addresses the why and how of digital fabrication in hundreds of step-by-step color images, illuminating a set of working principles and techniques that join theory with practice. Authors James Stevens and Ralph Nelson reconcile local traditions and innovations with globally accessible methods and digital toolsets. By combining ethics with hardware, the book will root you in the origins of making, ensuring a lasting and relevant reference for your studio practice. The book opens with the origins and principles of the digital vernacular, then outlines digital vernacular tools including computer numerically controlled (CNC) mills, laser cutters, and 3D printers. You'll even learn to create your own digital fabrication tools out of inexpensive materials. The book concludes with

the processes of the digital vernacular, including techniques for removing, joining, forming, and adding. A companion website at make-Lab.org hosts additional step-by-step processes and project outcomes.

"Digital Vernacular presents an easy to read and flowing text with articulated descriptions and step-by-step photographs. Undergraduate students especially will benefit from the basic knowledge presented in this book, as well as the range of tools and processes used." ndash; Mine Ouml;zkar, Associate Professor, Istanbul Technical University, Turkey
About the Author James Stevens is an Associate Professor and the Director of makeLab, a digital fabrication studio in the College of Architecture and Design at Lawrence Technological University in Michigan, USA. Ralph Nelson is an Associate Professor in the College of Architecture and Design at Lawrence Technological University and Principal of Loom, a collaborative design practice, based in Ann Arbor, Michigan, USA.