

Amy Sperber

Assistant Professor, Fashion Design, Fashion Institute of Technology (FIT)



Session 2: Sustainable and Smart Fashion

Bio: Amy Sperber is an assistant professor at the Fashion Institute of Technology (FIT) in New York. A multidisciplinary fashion designer, consultant, and educator. She graduated from the Fashion Institute of Technology in 1997 with her BFA and again in 2019 with her MFA. Her graduate work in the first cohort of the Fashion Institute of Technology Masters Fashion Design program focused on common human forms utilizing body scanning, and custom avatar development, partnered with dynamic patterns designed to be highly adaptable and easy to sew in an on-demand environment.

Before teaching at FIT, Amy worked as a fashion designer for over a decade for many mass-market brands such as The Gap, Juicy Couture, and Delias. Shifts in intent lead her to focus on fashion design projects that aid consumers and support healing or treatment. She has successfully collaborated with doctors and specialists on several projects and is currently working on a multi-institution cancer monitoring garment that will result in clinical trials starting in 2024.

Also, Amy recently launched an open-source fashion avatar database for designers to use in 3D development tools—the project, sponsored by NYSCA, and is available to use at www.fashionavatars.org

Abstract: 3D tools have emerged as a promising solution for sustainable fashion development as well as innovative and collaborative practices, as they allow designers to visualize and create garments digitally before producing them physically. This reduces waste, enables more efficient use of materials and resources, and lets designers and engineers collaborate in a common visualization language. By combining the expertise of diverse professionals and utilizing cutting-edge technology like 3D tools, intersectional STEAM collaborations can help drive innovation in the fashion industry and promote sustainability.