



Fashion and Technology: A Guide to Materials and Applications

By Aneta Genova, Katherine Moriwaki

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Technology has always impacted the practice of fashion design. Though fashion and technology have long intersected, recent developments in computation have enabled the adoption of new methods, tools, and approaches to design. From materials to new manufacturing processes of the industrial age, advancements in technology have driven forward our understanding of the aesthetics, style, and functionality of garments and accessories. *Fashion and Technology* provides a conceptual framework for how new technologies are used in fashion design and shows how they can be implemented into the design process. This practical guide includes highly visual tutorials that introduce students and practitioners to designing with electronics—such as LEDs, sensors, electroluminescent materials, conductive and reactive materials—and digital fabrication technologies such as 3D printing and laser cutting. Projects make these innovative materials accessible to designers and will inspire creative collaborations within studio practice.

Features

- Highly visual *Tutorials* follow a consistent format for presenting each technique including descriptions, materials and supplies, workspace, safety considerations or hazards, numbered steps and finished examples
- *Designer Interviews* and *Case Studies* showcase innovative fashion collections and forward-thinking collaborations
- A unique chapter on designing with source code introduces programmatic concepts and terminology for novices

Teaching Resources

- Instructor's Guide provides suggestions for planning the course and using the text in the classroom, with supplemental assignments and lecture notes.
- Test Bank includes sample test questions for each chapter.

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Editorial Review

Review

I am enthusiastic about a book that can accomplish the goals the authors state: provide a conceptual framework for the evolution of new technologies and fashion design alongside a tutorial approach to providing technical background, guidance, inspiration and instructional support to teachers and students alike.

The book proposal reads very strong. There is certainly a need for a book that presents the content for students to explore. It is intriguing and I would certainly see if it would fit into my coursework for future courses.

The strength of the book would be its practical aspect, in comparison to other books available. It would be extremely useful for product led dissertations/projects following the completion of the course study. The proposed book is more like very well organized teaching materials for a specific course in smart/interaction fashion through the interface with technology. Therefore, it would be immediate teaching material to some institutes planning to open up a new course in related areas.

I agree with the rationale of the authors that available texts on this subject tend to lack a true academic focus on experiential learning.

About the Author

Aneta Genova is Associate Teaching Professor in the School of Fashion and the School of Art, Media, and Technology at Parsons School of Design in New York City, USA.

Katherine Moriwaki is an Assistant Professor Director of the MFA Design + Technology program in the School of Art, Media and Technology at Parsons School of Design in New York City, USA.

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