

**Human Dimensioning© Laboratory (HDL) University of Minnesota  
Researcher's Publications\***

\*selected--related to mission of the HDL

**Product Development and Health**

Sohn, M. & Bye, E. (2015). Pregnancy and body image: Analysis of clothing functions of maternity wear. *Clothing and Textiles Research Journal*, 33(1), 64-78.  
*doi:10.1177/0887302X14557809*

LaBat, K. & Kim, H-Y. (2014). Exploring the Relationships of Fashion and Health. *Clothing and Textiles Research Journal*, 32(3), 3-5.

LaBat, K. & Kim, Hye-Young. (2014). Co-editors, focused issue on Fashion and Health, *Clothing and Textiles Research Journal*, 32(3).

Kim, D-E & LaBat, K. (2010). Design process for developing a liquid cooling garment hood. *Ergonomics*. 53(6), 818-828.

LaBat, K. & Ryan, K. (2009) Design and medicine collaborate using digital technology. *Australasian Medical Journal*, 1(10), 92-92.

Ryan, K. & LaBat, K. (2009) Addressing the challenges of patient-centered design. *Australasian Medical Journal*, 1(13), 204-210.

Staker, M., Ryan, K., & LaBat, K. (2009). Medicine and design investigate residual limb volume fluctuations. *Australasian Medical Journal*, 1(12), 156-161.

Bye, E. & LaBat, K. (2001). A skin cancer intervention program for youth: Research informs teaching. *Journal of Family and Consumer Sciences*, 93, (5), 21-22.

DeLong, M., LaBat, K., Gahring, S., Nelson, N., & Leung, L. (2000). Implications of an educational intervention program designed to increase young adolescents' awareness of hats for sun protection, *Clothing and Textiles Research Journal*, 17(2), 73-83.

LaBat, K. (1993, July). Research process for developing sports medicine soft goods products. *Proceedings of the High Performance Textiles Conference*. Huddersfield, England: Huddersfield University (p. 1-6).

**Product Development and Fit**

Koo, H. S., Dunne, L., & Bye, E. (2013). Design functions in transformable garments for sustainability. *International Journal of Fashion Design, Technology and Education*, DOI: 10.1080/17543266.2013.845250

- Ha-Brookshire, J. & LaBat, K. (2014). Co-editors, Monograph: Textiles and Apparel Research and Teaching in the 21<sup>st</sup> Century, ITAA online special publication.
- LaBat, K. (2013-2014), Associate editor. Apparel Science and Technology. *Fashion and Textiles*. The Korean Society of Clothing and Textiles.
- Kim, D-E., LaBat, K., Bye, E., Soh, MH. Y Ryan, K. (2014). A Study of Scan Garment Accuracy and Reliability. *The Journal of the Textile Institute*, DOI: 10.1080/00405000.2014.949502
- Kim, D.-E., & LaBat, K. (2013). Consumer experience in using 3D virtual garment simulation technology, *Journal of The Textile Institute*, DOI:10.1080/00405000.2012.758353
- Kim, D.-E., & LaBat, K. (2013). Evaluation on accuracy and fidelity of 3D garment simulation technology: a user study. *Textile Research Journal*. 83(2), 171-184.
- McKinney, E., Bye, E., LaBat, K. (2012). Building patternmaking theory: A case study of Patternmaking practices for pants, *International Journal of Fashion Design, Technology and Education*. 1-15.
- Sohn, M. & Bye, E. (2012). Visual analysis of body shape changes during pregnancy. *International Journal of Fashion Design, Technology and Education*, DOI:10.1080/17543266.2011.649792
- Chen, C. & LaBat, K. & Bye, E. (2011). Bust prominence related to bra fit problems. *International Journal of Consumer Studies*. 35, 695-701.
- Chen, C., LaBat, K. & Bye, E. (2010). Physical characteristics related to bra fit. *Ergonomics*. 53(4), 514-524.
- Bye, E. (October 2010). *Fashion Design*. Oxford: Berg.
- Bye, E. (2010). A direction for clothing and textile design research. *Clothing and Textiles Research Journal*, 28(3), 205-217.
- Bye, E., & McKinney, E. (2010). Fit analysis using 3-D and live fit models. *International Journal of Clothing Science and Technology*, 22(2/3), 88-100.
- Bye, E. & McKinney, E. (2009). Fit analysis using 3-D and live fit models. *International Journal of Clothing Science and Technology*. 22(2/3), 88-100.
- Bye, E., & McKinney, E. (2007). Sizing up the wardrobe-Why we keep clothes that do not fit. *Journal of Fashion Theory*, 11(4), 483-498.\

- Bye, E., LaBat, K., McKinney, E., & Kim, D-E (2008). Optimized pattern grading. *International Journal of Clothing Science and Technology*, 20(2), 79-92.  
Research project received the *Lectra Innovation in Research Award*
- LaBat, K., Salusso-Deonier, C., & Rhee, J. (2007). Home sewers' satisfaction with fit of apparel patterns. *Journal of Fashion Marketing and Management*, 11(3), 429-440.
- Bye, E., LaBat, K., & DeLong, M. (2006). Analysis of body measurement systems for apparel. *Clothing and Textiles Research Journal*, 24(2), 66-79.
- Schofield, N., Ashdown, S., Hethorn, J., LaBat, K. & Salusso, C. (2006). Improving Pant Fit for Women 55 and Older Through an Exploration of Two Pant Shapes. *Clothing and Textiles Research Journal*, 24 (2), 147-160.
- Bye, E. & LaBat, K. (2005). An analysis of apparel industry fit sessions. *Journal of Textile and Apparel, Technology Management*, 4(3), 1-5.
- Bye, E., & Hakala, L. (2005). Sailing apparel for women: A design development case study. *Clothing and Textile Research Journal*, 23(1), 45-55.
- LaBat, K. (2007). Sizing Standardisation, in Ashdown, S.P., Editor. *Sizing in Clothing: Developing Effective Sizing Systems for Ready-To-Wear Clothing*, Woodhead Publishing.
- LaBat, K. (2006). Human factors and apparel design, *International Encyclopedia of Ergonomics and Human Factors*. Boca Raton, Florida: CRC Press.
- Schofield, N. & LaBat, K. (2005). Exploring the relationships of grading, sizing and anthropometric data. *Clothing and Textiles Research Journal*, 23(1), 13-27.
- LaBat, K., & Sokolowski, S. (1999). A three-stage design process applied to an industry-university textile product design project. *Clothing and Textiles Research Journal*, 17(1), 11-20.
- Bye, E., & LaBat, K. (1994). Technology: Shaping the aesthetic product. In DeLong, M. & Fiore, A. (Eds.), *Aesthetics of Textiles and Clothing: Advancing Multi-disciplinary Perspectives*. Monograph #7 on Aesthetics. CO: International Textile and Apparel Association, 28-38.