Sébastien Thomassey

Associate Professor
ENSAIT : Ecole Nationale Supérieure des Arts et Industries Textiles
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Titles

2018 *Capability to direct research,* University of Lille
       Development of decision support system for optimizing production process and supply chain in the textile apparel industry
2002 PhD in automation and computer engineering, University of Lille I
       Methodolgy of sales forecasting *for apparel retailing*
1999 Master in advanced data analysis, University of Lille I
1999 Master of Engineering, ENSAIT

Current situation at ENSAIT

Associate Professor in supply chain, sales forecasting and production management.

Teaching

Teaching in Master degree at ENSAIT

- Sales forecasting
- supply chain management
- production management
- warehouse management

Research

Topics: sales forecasting, supply chain and production optimization

Projects:
- 4 national collaborative projects
- 6 European collaborative projects

Supervision of PhD sstudent:
- 3 PhD defended.
- 9 PhD in progress

Main Publications

Book

Thomassey S., Zeng X., 2018. Artificial Intelligence for Fashion Industry in the Big Data Era, Springer Singapore, ISBN : 978-981-13-0079-0, https://doi.org/10.1007/978-981-13-0080-6

Book Chapters

Thomassey S., Zeng X., Introduction: Artificial Intelligence for Fashion Industry in the Big Data Era. In : Thomassey S., Zeng X. (eds), Artificial Intelligence for Fashion Industry in the Big Data Era. Springer Series in Fashion Business. Springer, Singapore, pp 1-6, 2018. https://doi.org/10.1007/978-981-13-0080-6_1

Brahmadeep, Thomassey S., A Discrete Event Simulation Model with Genetic Algorithm Optimisation for Customised Textile Production Scheduling. In : Thomassey S., Zeng X. (eds), Artificial Intelligence for Fashion Industry in the Big Data Era. Springer Series in Fashion Business. Springer, Singapore, pp 153-171, 2018. https://doi.org/10.1007/978-981-13-0080-6_8

Xu Y., Thomassey S., Zeng X., AI for Apparel Manufacturing in Big Data Era : A Focus on Cutting and Sewing. In : Thomassey S., Zeng X. (eds), Artificial Intelligence for Fashion Industry in the Big Data Era, Springer Series in Fashion Business. Springer, Singapore, pp 125-151, 2018. https://doi.org/10.1007/978-981-13-0080-6_7

Brahmadeep, Thomassey, S., Intelligent demand forecasting systems for fast fashion, In: Choi T.M. (eds), Information Systems for the Fashion and Apparel Industry, Woodhead Publishing, pp. 145-161, 2016. https://doi.org/10.1016/B978-0-08-100571-2.00008-7

Brahmadeep, Thomassey, S., Enterprise resource planning (ERP) systems for use in apparel supply chains, In: Choi T.M. (eds), Information Systems for the Fashion and Apparel Industry, Woodhead Publishing, pp. 235-261, 2016. https://doi.org/10.1016/B978-0-08-100571-2.00012-9

Thomassey S., Sales Forecasting in Apparel and Fashion Industry: A Review. In: Choi T.M., Hui CL., Yu Y. (eds), Intelligent Fashion Forecasting Systems: Models and Applications, Springer Berlin Heidelberg, pp. 9-27, 2014. https://doi.org/10.1007/978-3-642-39869-8_2

Journal papers

Ma K., Thomassey S., Zeng X., Wang L., Chen Y., A resource sharing solution optimized by simulation-based heuristic for garment manufacturing, International Journal of Advanced Manufacturing Technology, 2018. https://doi.org/10.1007/s00170-018-2677-3

Ma K., Thomassey S., Zeng X., Development of a Central Order Processing System for Optimizing Demand-Driven Textile Supply Chains: a Real Case Based Simulation Study, Annals of Operations Research, 2018, https://doi.org/10.1007/s10479-018-3000-2

Hamad B., Hamad M., Thomassey S. et Bruniaux P., 3D Adaptive Morphotype Mannequin for Target Population, Journal of Ergonomics, 8 :2, 2018. https://doi.org/10.4172/2165-7556.1000229

Hamad M., Thomassey S., Bruniaux P., A new sizing system based on 3D shape descriptor for morphology clustering, Computers & Industrial Engineering, Vol. 113, 683-692, 2017, https://doi.org/10.1016/j.cie.2017.05.030

Agrawal T.K., Thomassey S., Cochrane C., Lemort G., Koncar V., Low-Cost Intelligent Carpet System for Footstep Detection, IEEE Sensors Journal, Vol. 17, No. 13, 4239 – 4247, 2017. https://doi.org/10.1109/JSEN.2017.2703633

Wagner M, Chen Y, Curteza A, Thomassey S, Perwuelz A, et Zeng X., (2017) Fashion Product Solutions and Challenges for Environmental and Trend Conscious Consumers. Journal of Fashion Technology and Textile Engineering S3:010. *https://doi.org/10.4172/2329-9568.S3-010*

Agrawal T.K., Thomassey S., Cochrane C., Koncar V., Data Analysis and Statistical Interpolation of Signals for Human Footstep Tracking Using Intelligent Carpet. Journal of Fashion Technology and Textile Engineering, 2016. https://doi.org/10.4172/2329-9568.S2-007

Brahmadeep, Thomassey S., A simulation based comparison: Manual and automatic distribution setup in a textile yarn rewinding unit of a yarn dyeing factory, Simulation Modelling Practice and Theory, 45, pp. 80-90, 2014. https://doi.org/10.1016/j.simpat.2014.04.002

Thomassey, S.; Bruniaux, P., A template of ease allowance for garments based on a 3D reverse methodology, International Journal of Industrial Ergonomics, 43 (5), 406-416, 2013. https://doi.org/10.1016/j.ergon.2013.08.002

Kursun Bahadir S., Thomassey S., Koncar V., Kalaoglu F., An Algorithm Based on Neuro-Fuzzy Controller Implemented in A Smart Clothing System For Obstacle Avoidance, International Journal of Computational Intelligence Systems, 6 (3), 503-517, 2013. http://dx.doi.org/10.1080/18756891.2013.781336

Rasheed A., Zeng X., Thomassey S., An Approach to the Design of a Fuzzy Logic Model for the Ease Allowance Calculation in Loose Fitting Knee Length Ladies Trousers. Journal of Engineered Fibers and Fabrics, 8 (14), 126-131, 2013.

Kursun Bahadir S., Kalaoglu F, Thomassey S, Cristian I, Koncar V., A study on the beam pattern of ultrasonic sensor integrated to textile structure, International Journal of Clothing Science and Technology, Vol. 23, Number 4, pp. 232-241 (10), 2011. https://doi.org/10.1108/09556221111136494

Kursun-Bahadir S., Koncar V., Kalaoğlu F., Irina C., Thomassey S., Assessing the signal quality of an ultrasonic sensor on different conductive yarns used as transmission lines, Fibres & Textiles in Eastern Europe, 5 (88), 75-81, 2011.

Thomassey S., Sales forecasts in clothing industry: The key success factor of the supply chain management, International Journal of Production Economics, Volume 128, pp 470-483, 2010. https://doi.org/10.1016/j.ijpe.2010.07.018