

Editorial

Yordan Kyosev

Chair of Assembly Technology for Textile Products

Institute of Textile Machinery and High Performance Material Technology (ITM), TU Dresden

E-mail address: yordan.kyosev@tu-dresden.de

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Dear Readers and Colleagues,

The development of textile products no longer takes place at a table with a ruler but has moved into the space of sophisticated 3D CAD systems. Hence, developers need deep engineering knowledge in order to satisfy customers' requirements. Even when creating daily clothing, designers want to be able to check pattern fits through virtual manikins and evaluate the draping behavior of different materials. Additionally, developers of functional clothing want to prove breathability, i.e. air permeability, water moisture permeability, compression at different body parts, and many other properties. Today, the development of products involving technical textiles does not depend on expert knowledge of experienced personnel alone, but is often a result of interdisciplinary work based on simulations of multiple physical processes, e.g. mechanics of textile materials and the human body, fluid mechanics, thermodynamics, etc.

The assembling procedure for state-of-the-art products has become an increasingly complex engineering task. The majority of manual work steps has been replaced by automated feeding devices supported by robots. Modern sewing machines are able to document every stitch and ensure constant sewing conditions for all safety products. Alternative assembling technologies, such as ultrasonic welding, high frequency welding, gluing, laser welding and hot air welding, are often integrated into the production process.

In the area of scientific publications, we are currently observing distinctly different publishing strategies. Well established and renowned peer reviewed journals have already adjusted their strategies to the modern electronic world, thus offering open access publications at extremely high processing costs. For most researchers, this financial barrier makes it impossible to submit publications to these journals. At this point, predatory journals have recognized a promising business opportunity and started sending regular advertising mails offering a quick publication process against comparatively small processing fees. Regular online "blogging" or publications in exclusively industrial journals do not provide the desired scientific value.

This is a particularly challenging situation for young researchers at the start of their career when scientific publishing becomes nearly impossible and they therefore often turn to journals with predatory practices in order to achieve some publication record.

Due to these observations combined with the desire to create an open access^[1] initiative for the publication of scientific results, we, colleagues from leading research groups, decided to start the new fully open access journal "Communications in development and assembling of textile products". This journal has an exclusively academic editorial board and does not pursue commercial goals. Instead, it is hosted and supported by the Saxon State and University Library Dresden (SLUB) with the publication process being managed by a voluntary team of researchers at the Chair of Assembly Technology for Textile Products that is part of the ITM at TU Dresden. Under these conditions, the journal can act independently from the business strategies of commercial publishers and solely focus on the publication of scientific results.

The journal accepts two types of articles, i.e. "peer reviewed" material and "communications" articles. The peer reviewed papers undergo a rigorous check from at least three experts – the editor and two independent experts. The "communications" sector allows for the publishing of short case studies, valuable information, project reports, scientific data, abstracts and other content, which does not provide a sufficient amount of novel information, but is still valuable for industrials and researchers.

The journal welcomes manuscripts and communications in the field of development and assembling processes for textile products. Moreover, the journal gladly supports the 13th joint international conference CLOTECH 2020 [2], accommodating selected manuscripts which already passed or are currently going through the peer review process. All papers and communications will be available online for free and will be published with a unique DOI. After covering the requirements, the editorial team is eager to apply for registration in leading journal databases.

On behalf of the editorial team, I would like to invite you to contribute your scientific input for the purpose of good scientific communication by submitting your high quality manuscripts and supporting us with reviews. You are welcome to visit www.cdatp.org

Prof. Dr.-Ing. habil. Yordan Kyosev

Editor-in-Chief

References

[1] www.coalition-s.org

[2] www.clotech.eu