

SPEAKER PROFILE

PROF. DR.-ING. DIPL.-ING. MICHAEL ERNST

Textile Product Development
VirLab- Virtual Product Development
Niederrhein University of Applied Sciences

TOPIC:

Innovative 2D + 3D CAD Tools for a Competitive Product Development in Clothing Industry:

Une Tour d'Horizon - State of the Art and Future Prospects



BIO:

Michael Ernst is the head of the VirLab- Virtual Laboratory- and holds the chair for textile product development at Niederrhein University with a strong focus on CAD technology used in this field.

He has started his textile career with an apprenticeship as tailor, studied clothing technology and mechanical engineering at university of Stuttgart, worked at ITV Denkeendorf and for different clothing companies before getting appointed as a full professor in 2006.

Together with his research group Michael is investigating and developing virtual worlds for clothing industry using various body scanning technologies, all known 2D CAD applications, macro technology, 3D CAD simulation software tools, material detection systems up to motion capturing and rendering. The work is aimed at serving industry needs in a highly practical approach but also building up innovative tools and processes reflecting the next generation of product development