


SPEAKERS' CONTACT & PRESENTATION DETAIL FORM

Composite Technology Seminar & Expert Forum
 Republic Polytechnic / GMI Aero / Melchers, 10 February 2020

Full Name / Title	Mr Paul VAN IJSSELSTEIN BSc	 Speaker Photo
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Appointment Held		
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TITLE OF PRESENTATION (15 words or less)		
Disruptive technology and innovation in surface treatment of composite and metal aircraft structures		
PRESENTATION ABSTRACT (200 words or less)		
<p>On the backdrop of an increasing use of composite structures and parts in aircraft design new depainting methods will be introduced in the next decade that are equally suitable for composite and metal structures and that are expected to replace sanding, abrasive blasting and chemical treatment methods that are currently in use. Particularly early tests with laser ablation on composite structures have already shown excellent results and have proven several advantages including large reductions in hazardous waste and touch time and improvements in ergonomics, quality and consistency.</p> <p>In February 2019 at Airbus in Hamburg an early prototype of printing technology was demonstrated that eventually may replace the much less efficient spray gun technology and complex processes for livery decorations. The technology enables decorating a full body of an aircraft in every design in all colors fast and efficiently in a fixed amount of time, reduces overspray and reduces up to 30% in paint weight.</p> <p>The depaint and paint technology together with new automated NDT and composite repair methods will further enhance the competitiveness of the MRO chain, overcome the expected worldwide shortage of skilled labor and improve the maintenance hangar efficiency.</p>		
SPEAKER BRIEF BIOGRAPHY (120 words or less)		
<p>Mr Paul van IJsselstein BSc is CEO of STRATAGEM Group B.V. (2005) and STRATAGEM Innovation Singapore (2016). During his more than 35 years' career in the aerospace sector he has provided industrial leadership to many small- and medium size businesses and he has been instrumental in developing new "MRO product-market combinations" through market and product research and innovation. He is specialized in using an "out of the box" approach to achieve real breakthrough and unique "best of industry" MRO solutions for a global market. During his career Paul has worked for companies such as Fokker, Airbus Space & Defence, Thales and Boeing at postings in the Netherlands, UK, USA and Australia.</p>		