

## *Keynote*

# Sustainability by Innovation – Paving a Road for The Future Composite Industry

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### **Abstract**

In the European industry fiber reinforced polymers have been firmly established for years mainly for the purpose of manufacturing structural components.

Due to high material costs composites were mainly limited for small scale production over decades. New process technologies and low cost materials serving the need of weight reduction in order to save our natural resources and to reduce CO<sub>2</sub> emissions.

The presentation will highlight process technologies, new materials, and milestones of applications in the automotive industry. New tailor made materials suitable for medium and large scale production offer new application possibilities. Teaming up in development is changing the industry supply chain of the automotive industry for a more effective part development regarding costs and time to market.

Therefore each puzzle piece – process technology – raw materials (glass fibers, resin) – semi-finished product – mold technology has to be optimized.