



Paris, France, January 3, 2014

ESI supports NUMISHEET 2014

The 9th International Conference & Workshop on Numerical Simulation of sheet metal forming processes

ESI is the pioneer and world-leading solution provider in virtual prototyping.

Market Data

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Paris, France – January 3, 2014 – [ESI Group](#), pioneer and world-leading solution provider in [Virtual Prototyping](#) for manufacturing industries, announces its support of this year's edition of [NUMISHEET](#), a biennial conference and workshop dedicated to the numerical simulation of sheet metal forming processes. Silver sponsor of [NUMISHEET 2014](#), which takes place January 6-10 in Melbourne, Australia, ESI will join the list of exhibitors, participate in a benchmark and deliver two presentations.

The [NUMISHEET](#) conferences have been established as world-class forums for exchange of new ideas and technology in the area of sheet metal forming simulation. The 2014 conference features Technical and Keynote Programs as well as four benchmark activities that compare participants' predictions with experimental results.

During the conference, **Harald Porzner**, Director of Virtual Manufacturing solutions at ESI Group, will deliver a keynote entitled "*Materials Optimization – Manufacturing Assembly and CAE & Structure – Concurrent Engineering with Hot and Cold Formed Tailored Solutions*".

ESI's team will also present a paper as part of the Technical Session; "*Advancements in Tailored Hot Stamping Simulations: Cooling Channel and Distortion Analyses*".

[NUMISHEET](#) will also be an opportunity for ESI to showcase the latest version of its Sheet Metal Forming Simulation Suite; [PAM-STAMP](#). This release includes a new module to estimate material cost, significantly enhanced die face design based on [B-Spline geometry](#), and drastic overall time savings, without compromise on simulation quality. Demonstrations of the new software version will be available on ESI's booth.

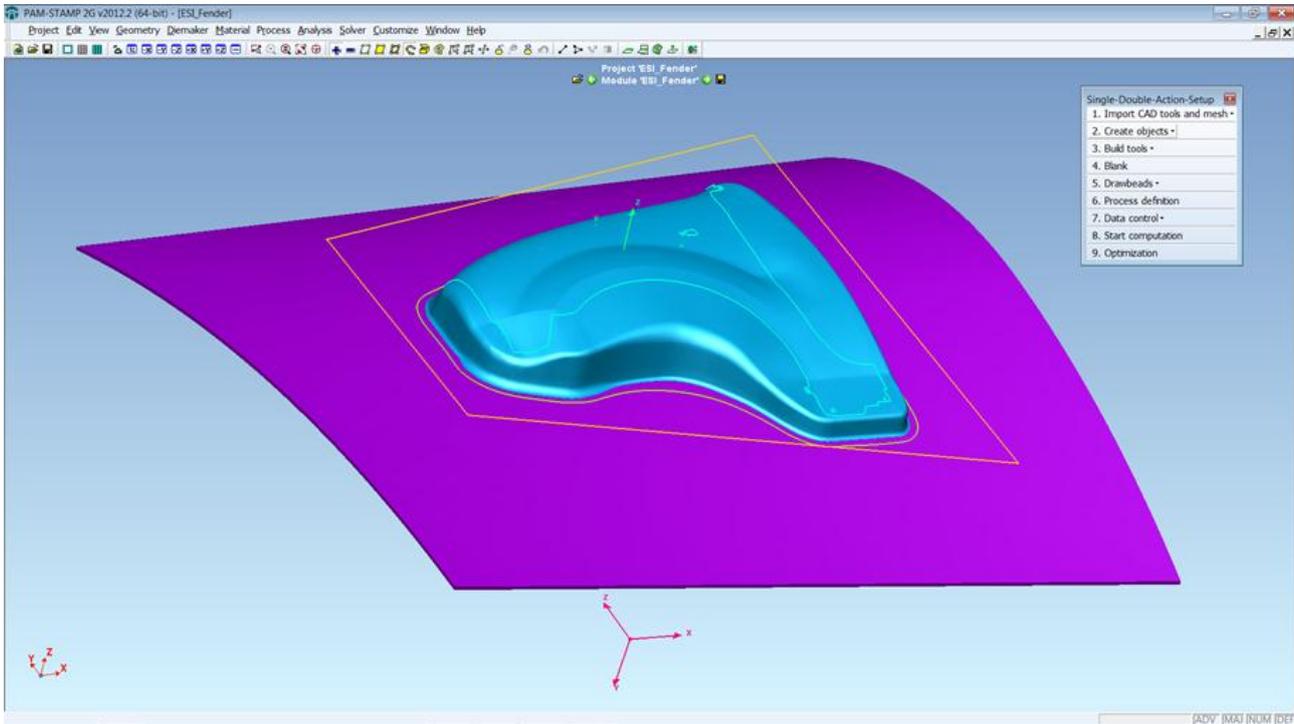


Image: PAM-STAMP's newly configured user interface

“NUMISHEET is one of the most renowned conferences in the domain of sheet metal forming simulation, mainly geared to automotive and aeronautic industries. From Material Modeling to Multi-Scale Modeling, Friction and Contact, Formability, Necking and Fracture, Wrinkling, Durability, Crashworthiness, Hemming and Flanging, Hydroforming, Thermoforming, Process Design and Application to Optimization, the conference covers all the topics that need to be addressed in order to achieve state-of-the-art metal forming. It’s an obvious venue for ESI to share best-practices with peers from all around the world and to showcase our most advanced virtual prototyping solutions, which benefit from over 40 years of experience in material physics ,” says **Harald Porzner**, Director of Virtual Manufacturing solutions at ESI Group.

ESI is also taking part in the four benchmarks organized during NUMISHEET; demonstrating the predictive capacity of its flagship sheet metal forming software [PAM-STAMP](#). **Martin Holecek**, ESI Group, and customer [Tata Steel](#) have jointly entered the first Benchmark on “[Non-linear Strain Path Forming Limit of a Reverse Draw](#)”. Also from ESI, **Tomas Nosek** has taken part in the second Benchmark on “[Springback of Draw-Redraw Pan](#)”; **Jan Nový** has entered the third Benchmark on “[Incremental Sheet Forming](#)”; while **Zdenek Drahos** participated in the fourth Benchmark on “[Wrinkling during Redraw](#)”. Benchmark results will be revealed during the conference.

For more information about ESI’s Sheet Metal Forming solutions, please visit www.esi-group.com/PAM-STAMP

For more news or information about ESI, please visit www.esi-group.com



About ESI Group

[ESI](#) is a pioneer and world-leading provider in Virtual Prototyping that takes into account the physics of materials. [ESI](#) boasts a unique know-how in Virtual Product Engineering, based on an integrated suite of coherent, industry-oriented applications. Addressing manufacturing industries, Virtual Product Engineering aims to replace physical prototypes by realistically simulating a product's behavior during testing, to fine-tune fabrication and assembly processes in accordance with desired product performance, and to evaluate the impact on product use under normal or accidental conditions. [ESI](#)'s solutions fit into a single collaborative and open environment for End-to-End Virtual Prototyping. These solutions are delivered using the latest technologies, including immersive Virtual Reality, to bring products to life in 3D; helping customers make the right decisions throughout product development. The company employs about 1000 high-level specialists worldwide covering more than 40 countries. [ESI Group](#) is listed in compartment C of NYSE Euronext Paris. For further information, visit www.esi-group.com.

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