Paris, France – April 06, 2010

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

Market Data

Listed in compartment C of NYSE Euronext Paris

ISIN FR 0004110310

Contacts

ESI Group

Elise Lavoué

T: +33 (0)1 41 73 58 46

elise.lavoue@esi-group.com

Visit our Press Room
www.esi-group.com

Connect with ESI

ESI sponsors the 'Composites Simulation Conference' taking place during the JEC Paris 2010

The technical conference will cover the optimization of the design and manufacturing simulation processes

ESI is the main sponsor for the parallel conference at JEC 2010, the Composites Simulation Conference, taking place on April 14 in Paris, France. The JEC Composites Show, to be held on April 13 to 15, is the biggest composites exhibition in the world with over 1,000 exhibiting companies and 27,700 visitors and delegates. ESI has actively participated in this event for the past nine years.

The Composites Simulation Conference will be moderated by Dr. Patrick De Luca, Composites Solution Manager at ESI Group and will address how to optimize design and manufacturing processes using simulation. The program of the Composites Simulation Conference includes presentations and case studies from several actors in the field of composites as well as ESI partners from around the world:

1. "*Managing the complexity of composite aircraft assemblies and their huge volumes of highly interdependent design data*" by **Steve Peck**, Director, Product & Market Strategy, Vistagy Aerostructures – presenting the specific challenges associated with designing a resin transfer infused wing skin using NCF materials and an automated material deposition process; as well as the design of substructure components, such as t-stringers, and managing the assembly interfaces to support an automated fastening process.

2. "*The benefits of simulation in composite parts development*" by **David Prono**, Composites Domain Expert, ESI Group – reproducing composite materials testing through simulation to decrease time and cost of material characterization and allow easy investigation of new material applications.

3. "*Cure induced shape distortions in a composite c-spar: 2 FE-analysis methods*" by **Magnus Svanberg**, Senior Researcher, Swerea SICOMP AB – describing a first very fast and accurate method based on standard FE-functionality and another involving modeling and simulation of the cure processes where material properties and residual stresses evolve during cure.

4. "*Advances in RTM technology*" by **Professor Yi Xiaosu**, Beijing Institute of Aeronautical Materials (BIAM) – presenting methodologies on how to toughen structural composite materials with an emphasis on the EX-situ technology applied to RTMable Composites.

   The last two presentations will address optimized approaches for RTM Simulation:

5. "*A key parameter for injection simulation: permeability*" by **Jérôme Raynal**, Project Manager, Technical Marketing, PPE – considering first the technical parameters for an optimized approach to RTM simulation, the paper will then study permeability and how to select the right strategy, thanks to simulation, to secure the process.

6. "*Advanced process simulation of RTM and application to fan blades for an aircraft engine*" by **Professor Edu Ruiz**, Mechanical Engineering, Ecole Poytechnique de Montréal – describing fiber volume content and fiber orientations, full thermal characterization and a solution for optimizing the fabrication process.

JEC 2010 delegates will also learn more about ESI's Composites Simulation Suite by visiting ESI's booth M65 in the 'software village' exhibition area.

For more immediate information on ESI Composites Simulation Suite, please visit: www.esi-group.com/composites-plastics

For more ESI news, visit: http://www.esi-group.com/newsroom

About ESI Group

ESI is a pioneer and world-leading solution provider in virtual prototyping that takes into account the physics of materials. ESI has developed an extensive suite of coherent, industry-oriented applications to realistically simulate a product's behavior during testing, to fine-tune manufacturing processes in accordance with desired product performance, and to evaluate the environment's impact on performance. ESI's solutions fit into a single collaborative and open environment for End-to-End Virtual Prototyping, thus eliminating the need for physical prototypes during product development. The company employs over 750 high-level specialists worldwide covering more than 30 countries. ESI Group is listed in compartment C of NYSE Euronext Paris. For further information, visit www.esi-group.com.