



## **Expanding its Capabilities Simulent Inc. Launches SimCoat: A New Coating Simulation Software.**

**TORONTO - May 29, 2013 - [PRLog](#) -- Toronto, ON** – Simulent Inc., a leading Computational Fluid Dynamics (CFD) software development and engineering consulting company, today announced the launch of their newest software tool, **SimCoat (<http://www.simulent.com/software-products/>)<sup>TM</sup>**. The new software is relevant to coating in a number of industries such as: Aerospace, Oil and Gas, Automotive, Pulp and Paper, Pharmaceutical, Medical and many more.

This unique product allows users to model spray coating on any surface and provides them with essential information on the microstructure of the coatings, e.g. thickness, roughness and porosity, for different coating processes. Additionally, it allows the simulation and analysis of coatings prior to the application of any coating materials. The coatings materials range from high temperature molten metals to water.

For the user's convenience, **SimCoat (<http://www.simulent.com/software-products/>)<sup>TM</sup>** calculates the coating layer thickness, roughness and porosity at any desired location on the substrate for a stationary or moving spray gun. It can also calculate the initial velocity, size and temperature distribution for the injected powder.

**SimCoat (<http://www.simulent.com/software-products/>)<sup>TM</sup>** and its sister software, SimDrop<sup>TM</sup> are the only software products available in the market for simulating thermal spray coating. The product has been extensively tested and has proven to be efficient, fast and accurate. The founder and owner of Simulent Inc., Dr Javad Mostaghimi is enthusiastic about the launch of **SimCoat (<http://www.simulent.com/software-products/>)<sup>TM</sup>**: "I believe this is an important tool for the industry as it will help companies save money and time when deciding what type of coatings to use on various substrates"

### **About Simulent Inc.**

**Simulent Inc.** is a leading multidisciplinary Computational Fluid Dynamics (CFD) software and engineering consulting company delivering award winning innovative solutions to the market place for the design and testing of thermo-fluid systems.

Based in Toronto, Simulent Inc. is affiliated with the Centre for Advanced Coating Technologies (CACT) at the **University of Toronto (<http://www.mie.utoronto.ca/labs/cact/>)**. It is also a member of Consulting Engineers of Ontario and a member of the Professional Engineers of Ontario. For more information, please visit <http://www.simulent.com/>.

### **To Learn More About SimCoat<sup>TM</sup> – Contact:**

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Tags [Simulation, Coating, Spray, Engineering Consulting, CFD analysis design](#)  
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