



## **SAMTECH to organize a Wind Turbine Simulation Event at EWEC 2009**

**Liege, Belgium, 27<sup>th</sup> February 2009.** SAMTECH, European specialist in development of Computer Aided Engineering software and advanced FEA modeling technology, announces its participation to the European Wind energy Exhibition and Conference (EWEC 2009), which will be held from the 15<sup>th</sup> to the 19<sup>th</sup> of March in Marseille, France. On March 17<sup>th</sup> at 2:00 PM, SAMTECH will also organize a side event at EWEC 2009 to demonstrate to wind energy industry the power and user-friendliness of the latest release of its engineering software platform "SAMCEF for Wind Turbines (S4WT)". S4WT is dedicated to the prediction of dynamic loads on Wind Turbine components, through a global model of the whole wind turbine, with or without gearbox.

Building highly reliable wind turbines is an important challenge for the future of the Wind Turbines Industry. It is crucial to remain competitive, to reduce wind turbines time-to-market as well as prohibitive maintenance costs and time during which wind turbines are idle due to mechanical problems. In order to provide an answer to these requirements, SAMTECH used its 20 years experience in the modeling of large flexible machines and its 10 years expertise in Wind Energy to create **SAMCEF for Wind Turbines (S4WT)**, that is now a very general and open professional framework dedicated to the Virtual Prototyping of Wind Turbines.

S4WT can be used at different levels in the wind turbine engineering process and by different engineering teams pursuing the same goals (loads groups, transmission departments, component teams, integration programs...). It is made of two main parts that will be demonstrated during the workshop: *S4WT Modeler* for sub-models creation and *S4WT Desktop* for automated computations and post-processing of the whole wind turbine model with aerodynamic forces and control.

After the technical presentations of the conference, the participants will have the opportunity to ask questions and interact with SAMTECH teams. The S4WT side event will be held on the March 17<sup>th</sup> from 2.00 pm to 6.00 pm, with three sessions of one hour (first session starting at 2.30, second session starting at 3.30 and last session starting at 4.30).

The event is free of charge. Pre-registration has however to be done on [http://www.samcef.com/S4WT\\_EWEC\\_Side\\_Event/](http://www.samcef.com/S4WT_EWEC_Side_Event/), not later than the 13<sup>th</sup> of March 2009.

### **About SAMTECH at EWEC 2009**

SAMTECH will be present for the whole duration of EWEC 2009 (hall 3, stand 3713) in order to perform live demonstrations of S4WT.

SAMTECH will also present a paper on Wednesday 18<sup>th</sup> March in the structural design and aeroelasticity session (11.00-12.30, CT2 session) in order to bring answers to questions of experts and scientists. This article was co-written between SAMTECH Iberica and General Electric Global Research. It is entitled "*Matching experimental and numerical data of dynamic wind turbine loads by modelling of defects*".

SAMTECH is a member of UPWIND FP6 project that will also hold a side event during EWEC 2009.

For more information about EWEC 2009, SAMTECH side event, SAMTECH article presentation during the conference or to find SAMTECH stand on the interactive map (stand 3713, hall 3), please visit the EWEC 2009 website at [www.ewec2009.info](http://www.ewec2009.info).



## About SAMTECH

**SAMTECH** is a European leading provider of Computer Aided Engineering software. Founded in 1986, SAMTECH develops and markets the general-purpose Finite Element Analysis code SAMCEF, the Multi-Disciplinary Optimization platform BOSS quattro and the Open CAE Integration Framework CAESAM on which S4WT Desktop is based. These core engineering software tools answer to a wide range of industrial needs from the preliminary phases of design to the most advanced verification analyses. The software technology of SAMTECH has an unsurpassed reputation for its quality and reliability. It has been adopted by many major companies across all engineering disciplines as an integral part of their design process. SAMTECH software are compatible with any CAD system (UNIGRAPHICS, CATIA, PROENGINEER, SOLIDWORKS, SOLIDEDGE...) through STEP geometrical format. SAMTECH is certified to ISO9001:2000 quality standards and operates through a network of subsidiaries and representatives in key locations around the world.

Visit <http://www.samcef.com> for details on SAMTECH Products/Services offer.

For further information about **SAMTECH** please contact us ([marketing@samcef.com](mailto:marketing@samcef.com)).  
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